

# **EnviroMatrix**



## Analytical, Inc. -

29 April 2005

City of San Diego

EMA Log #: 0411377

Attn: George Morton

9601 Ridgehaven Court, Ste 310 San Diego, California 92123

Project Name: Mission Bay

Enclosed are the results of analyses for samples received by the laboratory on 11/30/04 17:11. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that this data is in compliance both technically and for completeness.

Dan Verdon

**Laboratory Director** 

CA ELAP Certification #: 2564

EMA Log #: 0411377

#### ANALYTICAL REPORT FOR SAMPLES

3W-1 3W-2	0411377-01 0411377-02 0411377-03	Grnd-Water Grnd-Water	11/30/04 13:10 11/30/04 14:15	11/30/04 17:11
3W-2		Grnd-Water	11/30/04 14:15	2012/02/02/02/02/02/02/02/02
	0411377 03			11/30/04 17:11
3W-3	04113/7-03	Grnd-Water	11/30/04 15:15	11/30/04 17:11
BE-4	0411377-04	Grnd-Water	11/30/04 12:15	11/30/04 17:11
3W-5	0411377-05	Grnd-Water	11/30/04 12:00	11/30/04 17:11
3E-6	0411377-06	Grnd-Water	11/30/04 14:40	11/30/04 17:11
3W-7	0411377-07	Grnd-Water	11/30/04 13:20	11/30/04 17:11
3-10	0411377-08	Grnd-Water	11/30/04 12:45	11/30/04 17:11
3SW-2	0411377-09	Stormwater	11/30/04 15:45	11/30/04 17:11
3SW-3	0411377-10	Stormwater	11/30/04 15:25	11/30/04 17:11
RSW-5	0411377-11	Stormwater	11/30/04 13:40	11/30/04 17:11
RSW-9	0411377-12	Stormwater	11/30/04 15:00	11/30/04 17:11
MMW-Duplicate	0411377-13	Grnd-Water	11/30/04 00:00	11/30/04 17:11
ld Blank	0411377-14	Water	11/30/04 00:00	11/30/04 17:11
p Blank	0411377-15	Water	11/30/04 00:00	11/30/04 17:11



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#### Metals (Dissolved) by EPA 6000/7000 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBW-1 (0411377-01) Grnd-Water	Sampled	: 11/30/04	13:10 Rece	ived: 11/3	0/04 17:11	Ļ				
Arsenic	0.004	0.001	0.010	mg/l	1	4120106	12/01/04	12/09/04	EPA 6020	
Chromium	ND	0.004	0.050	39.7	20 -	11	u	77	000	
Thallium	ND	0.0006	0.050	**	11	**	n	ii	**	
MBW-2 (0411377-02) Grnd-Water	Sampled	: 11/30/04	14:15 Rece	ived: 11/3	0/04 17:11	l <sub>e</sub>				
Arsenic	0.005	0.001	0.010	mg/l	1	4120106	12/01/04	12/09/04	EPA 6020	J
Chromium	ND	0.004	0.050	"		**	2	0.	**	
<b>l'hallium</b>	ND	0.0006	0.050	н	<u>n</u>	"	"	H.	n	
MBW-3 (0411377-03) Grnd-Water	Sampled	: 11/30/04	15:15 Rece	ived: 11/3	0/04 17:11					
Arsenic	0.010	0.001	0.010	mg/l	1	4120106	12/01/04	12/09/04	EPA 6020	
Chromium	0.004	0.004	0.050	11	"	"	и	7/00	300	2
Thallium	ND	0.0006	0.050	"	**	ii .	**	"		
MBE-4 (0411377-04) Grnd-Water	Sampled:	11/30/04	12:15 Recei	ved: 11/30	/04 17:11					
Arsenic	0.016	0.001	0.010	mg/l	1	4120106	12/01/04	12/09/04	EPA 6020	
Barium	0.259	0.0006	0.010	**	**		11.	**	10	
Chromium	ND	0.004	0.050	**	**	22	п	"	11	
Iron	0.09	0.05	0.10	"	11	4120224	12/02/04	12/02/04	EPA 6010	3
Molybdenum									Production Supplements	
	0.214	0.005	0.010	**	n	4120106	12/01/04	12/10/04	EPA 6020	
Nickel	0.214	0.005 0.002	0.010 0.010	**	<u>n</u>	4120106	12/01/04	12/10/04 12/09/04	EPA 6020	
Lead	0.017	0.002	0.010	**	н	Ħ	и	12/09/04		J
Lead Antimony	<b>0.017</b> ND	0.002 0.001	0.010 0.005	**	"	FF FF	II.	12/09/04	11	j
Lead Antimony Selenium	0.017 ND 0.002	0.002 0.001 0.002	0.010 0.005 0.005	## ##	" "	# #	n n	12/09/04	11 11	ž
Nickel Lead Antimony Selenium Thallium Vanadium	0.017 ND 0.002 0.036	0.002 0.001 0.002 0.005	0.010 0.005 0.005 0.020	11 11	" "	# # # # # # # # # # # # # # # # # # #	n n	12/09/04 " " 12/09/04	n n n	ĵ



EMA Log #: 0411377

## Metals (Dissolved) by EPA 6000/7000 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBW-5 (0411377-05) Grnd-Water	Sampled	: 11/30/04	12:00 Rece	ived: 11/3	0/04 17:11					
Arsenic	0.012	0.001	0.010	mg/l	1	4120106	12/01/04	12/09/04	EPA 6020	
Chromium	ND	0.004	0.050	M	**	ж-	**	(997)	"	
Thallium	ND	0.0006	0.050	2402	(94)	anc:	311.5	**	11	
MBE-6 (0411377-06) Grnd-Water	Sampled:	11/30/04	14:40 Recei	ved: 11/30	0/04 17:11					
Arsenic	0.006	0.001	0.010	mg/l	1	4120106	12/01/04	12/09/04	EPA 6020	J
Chromium	ND	0.004	0.050	**	**	**	**	•	11	
Thallium	ND	0.0006	0.050	**	**	n	**	"	u u	
MBW-7 (0411377-07) Grnd-Water	Sampled	: 11/30/04	13:20 Rece	ived: 11/3	0/04 17:11	Į,				
Arsenic	ND	0.013	0.100	mg/l	10	4120106	12/01/04	12/09/04	EPA 6020	
Chromium	ND	0.004	0.050	**	1	"	**	12/01/04	"	
Thallium	ND	0.0006	0.050	**	**	n	**	12/09/04	"	
MB-10 (0411377-08) Grnd-Water	Sampled:	11/30/04	12:45 Recei	ved: 11/30	/04 17:11					
Arsenic	0.001	0.001	0.010	mg/l	1	4120106	12/01/04	12/09/04	EPA 6020	J
Chromium	ND	0.004	0.050	**	0	111	3117	317	11	
Thallium	ND	0.0006	0.050	910	JHE	990)	30%	10.	**	
MBSW-2 (0411377-09) Stormwater	Sample	d: 11/30/04	4 15:45 Rec	eived: 11/.	30/04 17:1	1	\$1			
Arsenic	0.001	0.001	0.010	mg/l	1	4120106	12/01/04	12/01/04	EPA 6020	J
Chromium	ND	0.004	0.050	"	**	**	**		**	
Thallium	ND	0.0006	0.050	-11	**	"	0	12/09/04	"	
MBSW-3 (0411377-10) Stormwater	Sample	d: 11/30/0	4 15:25 Rec	eived: 11/	30/04 17:1	1				
Arsenic	ND	0.013	0.100	mg/l	10	4120106	12/01/04	12/09/04	EPA 6020	
							1000			
Chromium	ND	0.004	0.050	.11	1	"	n	12/01/04	"	



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Project Name: Mission Bay

## Metals (Dissolved) by EPA 6000/7000 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SDRSW-5 (0411377-11) Stormwater			4 13:40 R					5		
Arsenic	ND	0.001	0.010	mg/l	1	4120106	12/01/04	12/09/04	EPA 6020	
Chromium	ND	0.004	0.050	310	2000	:11:	.01	386.1		
Thallium	ND	0.0006	0.050	TI.	.11	**	11	"	11	
SDRSW-9 (0411377-12) Stormwater	Sample	d: 11/30/0	4 15:00 R	eceived: 11	/30/04 17:	11				
Arsenic	0.005	0.001	0.010	mg/l	1	4120106	12/01/04	12/09/04	EPA 6020	J
Chromium	ND	0.004	0.050		,,	11	U	**	"	
Thallium	ND	0.0006	0.050	, m	**	Off	(10)	340	и:	
NMMW-Duplicate (0411377-13) Grn	ıd-Water	Sampleo	l: 11/30/04	00:00 Rec	eived: 11/	30/04 17:1	11			
Arsenic	0.009	0.001	0.010	mg/l	1	4120106	12/01/04	12/09/04	EPA 6020	J
Chromium	ND	0.004	0.050	710	11			"	10	
Thallium	ND	0.0006	0.050	11	**		**	**	"	



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### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBW-1 (0411377-01) Grnd-Water	Sampled:	11/30/04	13:10 Rece	ived: 11/3	0/04 17:11					GC-3
Acetone	ND	7.46	25.0	ug/l	1	4120201	12/02/04	12/02/04	EPA 8260B	
Acetonitrile	ND	16.9	50.0	21	MC		**	11		
Acrolein	ND	15.4	100	***		**		"	m .	
Acrylonitrile	ND	0.66	10.0	**	•	"	9	n		
Allyl chloride	ND	0.29	1.00	**	.0		"	n n	"	
Benzene	ND	0.28	1.00	341	11.7	36.5	11	**		
Bromobenzene	ND	0.50	1.00	11	11	**	"	ij	n .	
Bromochloromethane	ND	0.41	1.00	**			"	"		
Bromodichloromethane	ND	0.33	1.00	**	30.	m ·	"	**	n	
Bromoform	ND	0.30	1.00	300	.00%	200	**	**	THE .	
Bromomethane	ND	0.73	2.00	390	0.	0	n	**	100	
2-Butanone	ND	5.25	25.0	**	11	H	77	ñ	· ·	
Carbon disulfide	ND	0.31	1.00	**	11	"		"	· ·	
Carbon tetrachloride	ND	0.71	2.00	(44)	300	80.	Ħ	**	Desc	
Chlorobenzene	ND	0.24	1.00	.01	70		**	77	Title Control	
Chlorodibromomethane	ND	0.27	1.00	<b>H</b> .	11	n	**	#	n	
Chloroethane	ND	0.35	2.00	**	11	n	"	"	п	
Chloroform	ND	0.36	1.00	н.	01	n	**	**	Time .	
Chloromethane	ND	0.38	2.00	(98)	(0.1	30%	**	**	- 310	
Chloroprene	ND	0.23	1.00	**	11	n	ï	**	n	
1,2-Dibromo-3-chloropropane	ND	0.24	2.00	**	311	n T	7	**		
Dibromomethane	ND	0.42	1.00		M.	n :	**	**	100	
1,2-Dibromoethane (EDB)	ND	0.51	1.00	:#0	30.0	.0.1	"	"	300	
1,2-Dichlorobenzene	ND	0.20	1.00	**		н	ñ	n	n	
1,3-Dichlorobenzene	ND	0.24	1.00	**	n		"	"	/ 00	
1,4-Dichlorobenzene	ND	0.21	1.00	**		n	"	"	316	
trans-1,4-Dichloro-2-butene	ND	0.27	2.00	3985	30%	31	**	**	500	
Dichlorodifluoromethane	ND	0.79	2.00	**	n	n	"	**	n .	
1.1-Dichloroethane	ND	0.29	1.00	**	0.	n	**	**	m .	
1,2-Dichloroethane	ND	0.28	1.00		30	n	"	**	316	
1,1-Dichloroethene	ND	0.24	1.00	144	30	11	"	**	310	
cis-1,2-Dichloroethene	ND	0.24	1.00	**		n	"	**	n n	
rans-1,2-Dichloroethene	ND	0.21	1.00	**	11	n	"	,,	11	
1,2-Dichloropropane	ND	0.21	1.00	**	n	11		"	n	
,3-Dichloropropane	ND	0.53	1.00	71	01	11	**	**	n.	
2,2-Dichloropropane	ND	0.35	1.00	,,		n	ij.	"	n	
cis-1,3-Dichloropropene	ND	0.33	1.00	**	11		**	#	11	
	ND ND	0.42	1.00	**	10	н		**	iii	
rans-1,3-Dichloropropene				an c	<b>10</b>		"	*		
Diethyl ether	1.34	0.33	2.00	и.			"	**		
Ethylbenzene	ND	0.18	1.00	"	10		"	"		
Ethyl methacrylate	ND	0.78	5.00		n	"	"	"	"	
Hexachlorobutadiene	ND	0.34	1.00	**	.0:		22	".	(10)	



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### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBW-1 (0411377-01) Grnd-Water	Sampled:	11/30/04	13:10 Receiv	ed: 11/3	0/04 17:11					GC-35
Hexachloroethane	ND	0.25	1.00	ug/l	1	4120201	12/02/04	12/02/04	EPA 8260B	
2-Hexanone	ND	0.51	5.00	710	200	**	347	11	н	
odomethane	ND	0.29	1.00	77	TI.	n	11	11	"	
sobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100	**		11	**	**	ū	
Methacrylonitrile	ND	0.92	10.0	**		"	*	"	"	
Methylene chloride	ND	0.35	5.00	346	W	000	H.	**	n -	
Methyl tert-butyl ether	ND	0.47	1.00				.00.7	MI	"	
4-Methyl-2-pentanone	ND	0.58	25.0	**	**	**		er	"	
Naphthalene	ND	0.25	2.00	.01	**	n	30	30	Ü	
2-Nitropropane	ND	1.36	5.00	300	940	303	960	н	**	
n-Propylbenzene	ND	0.24	1.00	310	(#)	911	300	301	n	
Propionitrile	ND	34.9	100	n	**	**	,,,	11	11	
Styrene	ND	0.20	1.00			,,		99	ži.	
1,1,1,2-Tetrachloroethane	ND	0.31	1.00	11	11	20	36.2	21	"	
1,1,2,2-Tetrachloroethane	ND	0.32	2.00	1981	95.	.11	11	**	н	
Tetrachloroethene	ND	0.30	1.00	**	11	.00	19	ņ	ū	
Toluene	ND	0.55	1.00	**	11		**	"	Ω.	
1,2,4-Trichlorobenzene	ND	0.37	1.00	***	11	n		77	п	
1,1,1-Trichloroethane	ND	0.40	2.00	386%	311.5	3113	H:	**	эн	
1,1,2-Trichloroethane	ND	0.38	1.00		10	n	tt	,,	ü	
Trichloroethene	ND	0.23	1.00	**	72	н	it.	**	11	
Trichlorofluoromethane	ND	0.55	2.00	21.		н		**	n	
1,2,3-Trichloropropane	ND	0.26	2.00	3116	311.0	30.0	tt	**	n	
1,2,4-Trimethylbenzene	ND	0.19	1.00	**	•	11	11	n	n.	
1,3,5-Trimethylbenzene	ND	0.20	1.00	**	**	9	ži –	"	**	
Vinyl chloride	ND	0.38	2.00	n	**	"	0	<u>ii</u>	**	
n,p-Xylene	ND	0.51	2.00	70	313	H:1	.11	"	H	
o-Xylene	ND	0.25	1.00	)r	10	**	n	11		
Surrogate: Dibromofluoromethane		100 %	80-130	1		"	,,,	"	"	
Surrogate: 4-Bromofluorobenzene		118 %	80-135			"	"	**	ü	
Surrogate: Toluene-d8		110 %	80-120			"	"	"	,,	



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Project Name: Mission Bay

## Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBW-2 (0411377-02) Grnd-Water	***************************************		14:15 Rece					i iiiii jiboo	111001100	GC-3
Acetone	ND ND	7.46	25.0	ug/l	1	4120201	12/02/04	12/02/04	EPA 8260B	GC-3.
Acetonitrile	ND	16.9	50.0	"	10	#120201	12/02/04	12/02/04	" "	
Acrolein	ND	15.4	100	34.5	316	M:	11	#	#	
Acrylonitrile	ND	0.66	10.0	"	n		**	ñ	**	
Allyl chloride	ND	0.00	1.00	**	n i	11		ii	**	
Benzene	ND	0.29	1.00		и		**	11		
Bromobenzene	ND	0.50	1.00	311	(NC)	m	**	11	**	
Bromochloromethane	ND	0.30	1.00	"	11	m.	*	**	**	
			1.00	(6)	n		*	**	"	
Bromodichloromethane	ND	0.33		11	n	n		**		
Bromoform	ND	0.30	1.00	- M-	***	316	***	27	**	
Bromomethane	ND	0.73	2.00	n		11	n	71		
2-Butanone	ND	5.25	25.0		"			,,		
Carbon disulfide	ND	0.31	1.00	11		n	"			
Carbon tetrachloride	ND	0.71	2.00	M.	"	"	"		σ	
Chlorobenzene	ND	0.24	1.00	300	398.5	300	н	**	"	
Chlorodibromomethane	ND	0.27	1.00	30.	77.		0		п	
Chloroethane	ND	0.35	2.00	**	**	n	ii	"	m m	
Chloroform	ND	0.36	1.00	n.	**	**	n	"	"	
Chloromethane	ND	0.38	2.00	347	11	7957	**	**	п	
Chloroprene	ND	0.23	1.00	AU. :	2M S	9.	11	**	и	
,2-Dibromo-3-chloropropane	ND	0.24	2.00	**	**	**	0	9	. 10	
Dibromomethane	ND	0.42	1.00	10	**	n	11	**	u	
1,2-Dibromoethane (EDB)	ND	0.51	1.00	H	**	11	Ħ	**	· m	
1,2-Dichlorobenzene	ND	0.20	1.00	Atte	280	21	11	**	u	
1,3-Dichlorobenzene	ND	0.24	1.00	n	**		0	**	ii	
1,4-Dichlorobenzene	ND	0.21	1.00		**	9.	0	**	11	
rans-1,4-Dichloro-2-butene	ND	0.27	2.00	0	n	10	11	27	- m	
Dichlorodifluoromethane	ND	0.79	2.00	30.5	(**)	200	11	***	- 31	
.1-Dichloroethane	ND	0.29	1.00			"	n	**		
,2-Dichloroethane	ND	0.28	1.00	.01	30)		9	n n	· n	
.1-Dichloroethene	ND	0.24	1.00	n	**	**	,,	**	10	
cis-1,2-Dichloroethene	ND	0.26	1.00	н)	HS		11	*1	91	
rans-1,2-Dichloroethene	ND	0.21	1.00	n		,,	n n	11	**	
,2-Dichloropropane	ND	0.21	1.00	11	n i	**	**	ii	**	
***************************************	ND	0.28	1.00		n	ж.	"	11	**	
,3-Dichloropropane		0.35	1.00	m.	MO	# 2 m 2	**		**	
2,2-Dichloropropane	ND					n.	,,	ii		
ris-1,3-Dichloropropene	ND	0.42	1.00			n	"	W	**	
rans-1,3-Dichloropropene	ND	0.42	1.00	11					**	
Diethyl ether	1.19	0.33	2.00	90	.00	n.		"		
Ethylbenzene	ND	0.18	1.00	и	"	"	"	"	**	
Ethyl methacrylate	ND	0.78	5.00	10	300	.115	**	8 0	196	
Hexachlorobutadiene	ND	0.34	1.00	0	H.	11	77	ii	11	



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### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBW-2 (0411377-02) Grnd-Water	Sampled:	11/30/04	14:15 Receiv	ed: 11/3	0/04 17:11					GC-35
Hexachloroethane	ND	0.25	1.00	ug/l	1	4120201	12/02/04	12/02/04	EPA 8260B	
2-Hexanone	ND	0.51	5.00	0.850	.11	. 11	30.5	.00.	11.	
Iodomethane	ND	0.29	1.00	**	11	**	n	п	"	
Isobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100	"	11	**	"	10	11	
Methacrylonitrile	ND	0.92	10.0	**	n	340	34	п	n	
Methylene chloride	ND	0.35	5.00	(19)	3.00	(99)	199.5		10.	
Methyl tert-butyl ether	ND	0.47	1.00	H	и	**	**	n	**	
4-Methyl-2-pentanone	ND	0.58	25.0	**		**	"	0	**	
Naphthalene	ND	0.25	2.00	W	н	11	***	п	**	
2-Nitropropane	ND	1.36	5.00	SAC.	500	3.00	:00	95	MC.	
n-Propylbenzene	ND	0.24	1.00		11		n	"	**	
Propionitrile	ND	34.9	100	11	**		**	**	"	
Styrene	ND	0.20	1.00	n			11	n	"	
1,1,1,2-Tetrachloroethane	ND	0.31	1.00	200	310	211	386	(11)	(88)	
1,1,2,2-Tetrachloroethane	ND	0.32	2.00	n			n	**		
Tetrachloroethene	ND	0.30	1.00	11	**	"	**	**	**	
Toluene	ND	0.55	1.00	н	n	n	и	m		
1,2,4-Trichlorobenzene	ND	0.37	1.00	916	980	:11	7887	345	30%	
1,1,1-Trichloroethane	ND	0.40	2.00	.00			n	**	n	
1,1,2-Trichloroethane	ND	0.38	1.00	.00	**		,11	**		
Trichloroethene	ND	0.23	1.00	(0)	n	n	n	n	n ·	
Trichlorofluoromethane	ND	0.55	2.00	SH:	-111	3115	3010	383	H2	
1,2,3-Trichloropropane	ND	0.26	2.00	.00	11		11	"	TT .	
1,2,4-Trimethylbenzene	ND	0.19	1.00	.00	**	.01	**	*		
1,3,5-Trimethylbenzene	ND	0.20	1.00	n	**	**		•		
Vinyl chloride	ND	0.38	2.00	ene.		2007	700.7	(44)	m :	
m,p-Xylene	ND	0.51	2.00	.00	m	III.			ñ	
o-Xylene	ND	0.25	1.00	tt	**	.0		**	H	
Surrogate: Dibromofluoromethane		100 %	80-130			"	*	"	"	
Surrogate: 4-Bromofluorobenzene		120 %	80-135			"	"	"	"	
Surrogate: Toluene-d8		107 %	80-120			"	"	"	n	



EMA Log #: 0411377

## **Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBW-3 (0411377-03) Grnd-Water	Sampled:	11/30/04	15:15 Recei	ived: 11/3	0/04 17:11	ĺ				GC-35
Acetone	ND	7.46	25.0	ug/l	1	4120201	12/02/04	12/02/04	EPA 8260B	
Acetonitrile	ND	16.9	50.0	"	11	11	"	#	11	
Acrolein	ND	15.4	100		**	н.	**	11	"	
Acrylonitrile	ND	0.66	10.0	и	**	310	10.7	н	**	
Allyl chloride	ND	0.29	1.00	300	.00	и:	(11)	10	**	
Benzene	ND	0.28	1.00	"	**	n	10	n		
Bromobenzene	ND	0.50	1.00	"	**	**	11		**	
Bromochloromethane	ND	0.41	1.00	11	10	n	10	31	<u>er</u>	
Bromodichloromethane	ND	0.33	1.00	3118	(#1)	310	***	н "	**	
Bromoform	ND	0.30	1.00	"	0		**	10	**	
Bromomethane	ND	0.73	2.00	***	(0)	**		11	0	
2-Butanone	ND	5.25	25.0	11	n	9.	"	ii	**	
Carbon disulfide	ND	0.31	1.00	340	300	<b>11</b> 5	20.5	31	er	
Carbon tetrachloride	ND	0.71	2.00	77	it	**	**	ŭ	tt	
Chlorobenzene	ND	0.24	1.00		11	**	"	$\tilde{v}$	9	
Chlorodibromomethane	ND	0.27	1.00	**	n	**	**	n	m m	
Chloroethane	ND	0.35	2.00	3008	11	910	360	n	ш	
Chloroform	ND	0.36	1.00	**	11	m	**	n	ũ	
Chloromethane	ND	0.38	2.00	**	**	**	**	11	Ü	
Chloroprene	ND	0.23	1.00	"	н	**	**	"	0	
1,2-Dibromo-3-chloropropane	ND	0.24	2.00	200	310	311%	161	11	n	
Dibromomethane	ND	0.42	1.00	0	W.	**	11	ŭ	er .	
1,2-Dibromoethane (EDB)	ND	0.51	1.00	,,	**	**	**	ii .	**	
1,2-Dichlorobenzene	ND	0.20	1.00		0	**	**	**	**	
1,3-Dichlorobenzene	ND	0.24	1.00	lec.	H	111.	110	11	**	
1,4-Dichlorobenzene	ND	0.21	1.00	30%	.0.	**	n	11	m	
trans-1,4-Dichloro-2-butene	ND	0.27	2.00	**	***	**	**	ñ	ii.	
Dichlorodifluoromethane	ND	0.79	2.00	,,	11	**	"	30	e	
1,1-Dichloroethane	ND	0.29	1.00	710	H	**	11	11	n	
1,2-Dichloroethane	ND	0.28	1.00	ans.	0.	**	77	"	α	
1,1-Dichloroethene	ND	0.24	1.00	"	11		**	,,	ii .	
cis-1,2-Dichloroethene	ND	0.24	1.00	**		**	71	**	6	
trans-1,2-Dichloroethene	ND	0.21	1.00		10			21	н	
1,2-Dichloropropane	ND	0.21	1.00	311	11:				tt	
1,3-Dichloropropane	ND	0.28	1.00		n	**	"	n	11	
2,2-Dichloropropane	ND	0.35	1.00	(0)	0.5	**	,,	Ü	H	
cis-1,3-Dichloropropene	ND	0.33	1.00	11	n	**	**	31	11	
trans-1,3-Dichloropropene	ND	0.42	1.00	111	110		315	n	e e	
	0.95	0.42	2.00		11		77	"	n	J
Diethyl ether					n	,,	,,	ï.	ii.	J
Ethylbenzene Ethylbenzene	ND	0.18	1.00	,,		"		ii .	"	
Ethyl methacrylate	ND	0.78	5.00		n i	n	**	"	**	
Hexachlorobutadiene	ND	0.34	1.00	(0)			"		17	



EMA Log #: 0411377

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBW-3 (0411377-03) Grnd-Water	Sampled:	11/30/04	15:15 Receiv	ed: 11/3	0/04 17:11					GC-35
Hexachloroethane	ND	0.25	1.00	ug/l	1	4120201	12/02/04	12/02/04	EPA 8260B	
2-Hexanone	ND	0.51	5.00	1100	586	HE .	199	310	ms	
Iodomethane	ND	0.29	1.00	310	in.	11	"	**	и.	
Isobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100	"	"	"	**	.00	W.	
Methacrylonitrile	ND	0.92	10.0	H	"	**		,,	**	
Methylene chloride	ND	0.35	5.00	н	196	че	11	110	m: :2	
Methyl tert-butyl ether	ND	0.47	1.00	0.00	1.00	.11		TI.		
4-Methyl-2-pentanone	ND	0.58	25.0	***	**	**	**			
Naphthalene	ND	0.25	2.00	100		"	**			
2-Nitropropane	ND	1.36	5.00	Hr.	**	116	SHO	**	ar:	
n-Propylbenzene	ND	0.24	1.00	200		.10.	.11	n	30	
Propionitrile	ND	34.9	100	11	**	н	**	**	n.	
Styrene	ND	0.20	1.00	н			**	"		
1,1,1,2-Tetrachloroethane	ND	0.31	1.00		*	н	**	n	387	
1,1,2,2-Tetrachloroethane	ND	0.32	2.00	300	.285	11		· re	111	
Tetrachloroethene	ND	0.30	1.00	n	. 11	н	**	n	TI.	
Toluene	ND	0.55	1.00	**	11	п	**	**	п	
1,2,4-Trichlorobenzene	ND	0.37	1.00		n	116	Ħ	**	900	
1,1,1-Trichloroethane	ND	0.40	2.00	энс	O#1:	3.00	300	**	115	
1,1,2-Trichloroethane	ND	0.38	1.00	H	**	n	.00	**		
Trichloroethene	ND	0.23	1.00	n	. 97	н	**	**	n	
Trichlorofluoromethane	ND	0.55	2.00	H.		H	**	**	н	
1,2,3-Trichloropropane	ND	0.26	2.00	//HE	080	500	***	711	m:	
1,2,4-Trimethylbenzene	ND	0.19	1.00	H		n.	**	**	н	
1,3,5-Trimethylbenzene	ND	0.20	1.00	n	Ħ		**		n	
Vinyl chloride	ND	0.38	2.00		**	n			n	
m,p-Xylene	ND	0.51	2.00	300	:#6	30€	(98)	385	ans.	
o-Xylene	ND	0.25	1.00	'n	н	п	•	•	n	
Surrogate: Dibromofluoromethane		106 %	80-130			"	**	"	"	
Surrogate: 4-Bromofluorobenzene		120 %	80-135			"	"	"	"	
Surrogate: Toluene-d8		108 %	80-120			н	"	"	n	



EMA Log #: 0411377

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBE-4 (0411377-04) Grnd-Water	Sampled:	11/30/04	12:15 Receiv	ved: 11/30	/04 17:11					
Acetone	ND	7.46	25.0	ug/l	1	4120201	12/02/04	12/02/04	EPA 8260B	
Acetonitrile	ND	16.9	50.0	**	**	**	"		"	
Acrolein	ND	15.4	100	n	31	in.	11	"	11	
Acrylonitrile	ND	0.66	10.0	an e	200	90%	.11	**		
Allyl chloride	ND	0.29	1.00	п	"	11	**	"	n	
Benzene	0.32	0.28	1.00	"	**	11	ii.		n -	J
Bromobenzene	ND	0.50	1.00	n	"	31	ii.		"	
Bromochloromethane	ND	0.41	1.00	n	11	n	***	"	TI .	
Bromodichloromethane	ND	0.33	1.00	311.5		30%	.0	,11	/ 10.	
Bromoform	ND	0.30	1.00	н	**	10	.01	**	n	
Bromomethane	ND	0.73	2.00	n	"	11	"	**	W.	
2-Butanone	ND	5.25	25.0	ii.	31	n	n	"	· ·	
Carbon disulfide	ND	0.31	1.00	(11).	(640)	311	.11	**	199.	
Carbon tetrachloride	ND	0.71	2.00	n	**		Ü.	"	n	
Chlorobenzene	ND	0.24	1.00	n	**	n	11	11	W.	
Chlorodibromomethane	ND	0.27	1.00	n	**	11	н	н	н	
Chloroethane	ND	0.35	2.00	30.5	9 <b>1</b> 1.5	310	**	**	: n.	
Chloroform	ND	0.36	1.00	ü	**	n.		**	**	
Chloromethane	ND	0.38	2.00	30	**		,,	"	9	
Chloroprene	ND	0.23	1.00	11	"	n		"	- iii	
1,2-Dibromo-3-chloropropane	ND	0.24	2.00	(11)	385	310	31	Ħ	н	
Dibromomethane	ND	0.42	1.00	"	"	"	**	**	, it	
1,2-Dibromoethane (EDB)	ND	0.51	1.00	"	**	**	**		11	
1,2-Dichlorobenzene	ND	0.20	1.00	**			10	**	it	
1,3-Dichlorobenzene	ND	0.24	1.00	.96%	316	313	30.7	**	н	
1,4-Dichlorobenzene	ND	0.21	1.00		10.	п	10	**	н	
trans-1,4-Dichloro-2-butene	ND	0.27	2.00	**			"	**	n	
Dichlorodifluoromethane	ND	0.79	2.00	*	n	10	9	"	ii.	
1,1-Dichloroethane	ND	0.29	1.00	2993	ms	367	***	**	-70	
1,2-Dichloroethane	ND	0.28	1.00	:27		ir.	No.	**	11	
1,1-Dichloroethene	ND	0.24	1.00	**			**	**	Ü	
cis-1,2-Dichloroethene	6.77	0.26	1.00	**	n	n		#	и.,	
trans-1,2-Dichloroethene	ND	0.21	1.00	**	11		"	"	u.	
1,2-Dichloropropane	0.54	0.28	1.00	46	3112	ar :	**	**	н	J
1,3-Dichloropropane	ND	0.53	1.00	300	3113	316	30.7	11	a.	
2,2-Dichloropropane	ND	0.35	1.00	w	$\widetilde{\pi}$	п	79	ij	II .	
cis-1,3-Dichloropropene	ND	0.42	1.00		11	n		"	"	
trans-1,3-Dichloropropene	ND	0.42	1.00	.,	n	"	71	,,	ıı.	
Diethyl ether	0.77	0.33	2.00		n.	**		**	**	J
Ethylbenzene	ND	0.18	1.00	311	3016	140	38.5	11	**	
Ethyl methacrylate	ND	0.78	5.00	11	311	**	**	n	w.	
Hexachlorobutadiene	ND	0.76	1.00	**	н			,,	***	



Project Name: Mission Bay

EMA Log #: 0411377

### Volatile Organic Compounds by EPA Method 8260B

			Danastina							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBE-4 (0411377-04) Grnd-Water	Sampled:	11/30/04	12:15 Receive	ed: 11/30	/04 17:11					
Hexachloroethane	ND	0.25	1.00	ug/l	1	4120201	12/02/04	12/02/04	EPA 8260B	
2-Hexanone	ND	0.51	5.00	H 11	н	**	**	n	911	
Iodomethane	ND	0.29	1.00	n.	ii	n	11	ň	.,,	
Isobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100	iii	Ü	ii .	ü	**	**	
Methacrylonitrile	ND	0.92	10.0		"	"	n.		**	
Methylene chloride	ND	0.35	5.00	H	**	11	H.	m	W =	
Methyl tert-butyl ether	ND	0.47	1.00	n	**	ii.	TÎ.	, m	391	
4-Methyl-2-pentanone	ND	0.58	25.0	9	"	11	"		"	
Naphthalene	ND	0.25	2.00	"	**	"	11		**	
2-Nitropropane	ND	1.36	5.00	33	**	**	. 11	9.00	2002	
n-Propylbenzene	ND	0.24	1.00	ñ	**	77	18.	100	200	
Propionitrile	ND	34.9	100	**	**	**	Ħ	21	iii.	
Styrene	ND	0.20	1.00	27	"	"	π.	"	(9)	
1,1,1,2-Tetrachloroethane	ND	0.31	1.00	99	**	**	111	7.867	W.	
1,1,2,2-Tetrachloroethane	ND	0.32	2.00	77	11	**	m m	.tr.	1000	
Tetrachloroethene	ND	0.30	1.00	79	9	ij	H	**	n	
Toluene	ND	0.55	1.00	22	0	Œ	и	**	11	
1,2,4-Trichlorobenzene	ND	0.37	1.00	**	11	п	THE STATE OF THE S	н	**	
1,1,1-Trichloroethane	ND	0.40	2.00	**	0.	и	310	286	an:	
1,1,2-Trichloroethane	ND	0.38	1.00	**	11	H.	u	н	**	
Trichloroethene	ND	0.23	1.00	**	0.0	11	н	**	**	
Trichlorofluoromethane	ND	0.55	2.00	**	0	tt.	н		**	
1,2,3-Trichloropropane	ND	0.26	2.00	**	11	н.	3.00	SHE	ett.	
1,2,4-Trimethylbenzene	ND	0.19	1.00		n	n	200	n	**	
1,3,5-Trimethylbenzene	ND	0.20	1.00	ij.	0	H.		10	**	
Vinyl chloride	0.80	0.38	2.00	"	"	и	.41	H	**	J
m,p-Xylene	ND	0.51	2.00	n	**	11	100	36	**	
o-Xylene	0.43	0.25	1.00	"	**	146	эн	(FFF)	306	J
Surrogate: Dibromofluoromethane		102 %	80-130			"	"	"	<i>H</i> :	
Surrogate: 4-Bromofluorobenzene		114%	80-135			"	"	"	7.H	
Surrogate: Toluene-d8		105 %	80-120			"	n	0.00	7 m	



Project Name: Mission Bay

EMA Log #: 0411377

## Volatile Organic Compounds by EPA Method 8260B

Analyte   Result   MDL   Limit   Units   Dilution   Batch	Prepared	Analyzed	Method	Note
Acetone	Frepareu	Anaryzed	Method	Note
Acetonitrile Acrolein ND 16.9 S0.0 ND 16.9 Acrolointrile ND 0.66 10.0 ND 15.4 100 ND 16.9 Acrolonitrile ND 0.66 10.0 ND ND 10.28 1.00 ND	107			
Acrolein	12/02/04	12/02/04	EPA 8260B	
Acrylonitrile Allyl chloride Benzene ND 0.29 1.00 Renzene ND 0.28 1.00 Renzene ND 0.28 Romobenzene ND 0.50 1.00 Renzene ND 0.50 1.00 Renzene ND 0.50 ND 0.41 1.00 Renzene Romodichloromethane ND 0.33 1.00 Renzene Romomethane ND 0.73 2.00 Renzene Romodisulfide ND 0.73 2.00 Renzene Romodisulfide ND 0.31 1.00 Renzene Romodisulfide ND 0.31 1.00 Renzene Romomethane ND 0.31 1.00 Renzene Romomethane ND 0.24 1.00 Renzene Romomethane ND 0.35 2.00 Renzene Romomethane Romomethane ND 0.35 2.00 Renzene Romomethane Ro	**	**	,,	
Allyl chloride Benzene ND 0.29 1.00 " " " " " " " " " " " " " " " " " "		н.	,,	
Benzene   ND   0.28   1.00		m.	"	
Bromobenzene   ND   0.50   1.00   1   1   1   1   1   1   1   1   1				
Stromochloromethane   ND   0.41   1.00		n n	<b>u</b> =	
Stromodichloromethane   ND   0.33   1.00	n	"	,	
Stromoform   ND   0.30   1.00			"	
Stromomethane   ND   0.73   2.00		H:2	"	
2-Butanone	**	**	"	
Carbon disulfide	"	"	11	
Carbon tetrachloride Chlorobenzene ND 0.24 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	**	11.	"	
Chlorobenzene Chlorodibromomethane Chlorodibromomethane Chloroethane ND 0.27 1.00 """ Chloroethane ND 0.35 2.00 """ Chloroform ND 0.36 1.00 """ Chloromethane ND 0.38 2.00 """ "" Chloroprene ND 0.23 1.00 """ "" Chloroprene ND 0.24 2.00 """ "" Chloromethane ND 0.42 1.00 """ "" Chloromethane ND 0.51 1.00 """ "" Chlorobenzene ND 0.20 1.00 """ "" Chlorobenzene ND 0.24 1.00 """ "" Chlorodifluoromethane ND 0.27 2.00 """ "" Chlorodifluoromethane ND 0.29 1.00 """ "" Chlorodifluoromethane ND 0.29 1.00 """ "" Chloroprene ND 0.28 1.00 "" "" "" Chloroprene ND 0.29 1.00 "" " " " Chloroprene ND 0.29 1.00 "" " " " Chloroprene ND 0.21 1.00 "" " " " Chloroprene ND 0.28 1.00 "" " " " Chloroprene ND 0.29 1.00 "" " " " Chloroprene ND 0.21 1.00 "" " " " " Chloroprene ND 0.21 1.00 "" " " " " Chloroprene ND 0.21 1.00 "" " " " " Chloroprene ND 0.21 1.00 "" " " " " Chloroprene ND 0.21 1.00 "" " " " " Chloroprene ND 0.21 1.00 "" " " " " Chloroprene ND 0.21 1.00 "" " " " " Chloroprene ND 0.21 1.00 "" " " " " Chloroprene ND 0.21 1.00 "" " " " " Chloroprene ND 0.22 1.00 "" " " " Chloroprene ND 0.23 1.00 " " " " " Chloroprene ND 0.24 1.00 " " " " " Chloropr	30.7	11	"	
Chlorodibromomethane Chloroethane ND 0.27 1,00 " " " " Chloroethane Chloroform ND 0.35 2,00 " " " " Chloroform Chloromethane ND 0.36 1,00 " " " " Chloromethane ND 0.38 2,00 " " " " Chloroprene ND 0.23 1,00 " " " " Chloroprene ND 0.24 2,00 " " " " Chloromethane ND 0.24 1,00 " " " " Chloromethane ND 0.42 1,00 " " " " Chloromethane ND 0.51 1,00 " " " " " Chloromethane ND 0.51 1,00 " " " " " Chlorobenzene ND 0.51 1,00 " " " " " Chlorobenzene ND 0.51 1,00 " " " " " Chlorobenzene ND 0.51 1,00 " " " " Chlorodifluoromethane ND 0.52 1,00 " " " " Chlorophorophane ND 0.53 1,00 " " " " " Chlorophorophane ND 0.53 1,00 " " " " " Chlorophorophane ND 0.53 1,00 " " " " " " Chlorophorophane ND 0.53 1,00 " " " " " " Chlorophorophane ND 0.53 1,00 " " " " " " Chlorophorophane ND 0.53 1,00 " " " " " " " Chlorophorophane ND 0.53 1,00 " " " " " " Chlorophorophane ND 0.53 1,00 " " " " " " Chlorophorophane ND 0.53 1,00 " " " " " " " Chlorophorophane ND 0.53 1,00 " " " " " " " " Chlorophorophane ND 0.53 1,00 " " " " " " " " " " " " " " " " " "	**	"	**	
Chloroethane  Chloroform  ND  0.35  2.00  """  Chloroform  ND  0.36  1.00  """  Chloromethane  ND  0.38  2.00  """  ""  Chloroprene  ND  0.23  1.00  """  ""  1,2-Dibromo-3-chloropropane  ND  0.24  2.00  """  ""  1,2-Dibromoethane  ND  0.42  1.00  """  1,2-Dibromoethane  ND  0.51  1.00  """  1,3-Dichlorobenzene  ND  0.24  1.00  """  1,3-Dichlorobenzene  ND  0.24  1.00  """  1,4-Dichloro-2-butene  ND  0.21  1.00  """  1,1-Dichloroethane  ND  0.27  2.00  """  1,1-Dichloroethane  ND  0.29  1.00  """  1,1-Dichloroethane  ND  0.29  1.00  """  1,1-Dichloroethane  ND  0.28  1.00  """  1,1-Dichloroethene  ND  0.24  1.00  """  1,2-Dichloroethene  ND  0.25  1.00  """  1,3-Dichloroethene  ND  0.28  1.00  """  1,3-Dichloroethene  ND  0.24  1.00  """  1,3-Dichloroethene  ND  0.25  1.00  """  1,3-Dichloroethene  ND  0.26  1.00  """  1,3-Dichloropropane  ND  0.28  1.00  """  1,3-Dichloropropane  ND  0.35  1.00  """  1,3-Dichloropropane  ND  0.42  1.00  """  1,3-Dichloropropane  ND  0.42  1.00  """  1,3-Dichloropropene  ND  0.42  1.00  """  1,4-Dichloropropene  ND  0.42  1.00  """	**	9	u.	
Chloroform  ND  0.36  1.00  """  Chloromethane  ND  0.38  2.00  """  Rechloroprene  ND  0.23  1.00  """  Rechloroprene  ND  0.24  2.00  """  Rechloroprene  ND  0.24  2.00  """  Rechloromethane  ND  0.42  1.00  """  Rechloromethane  ND  0.51  1.00  """  Rechlorobenzene  ND  0.20  1.00  """  Rechlorobenzene  ND  0.24  1.00  """  Rechlorobenzene  ND  0.24  1.00  """  Rechlorobenzene  ND  0.24  1.00  """  Rechlorobenzene  ND  0.21  1.00  """  Rechlorodifluoromethane  ND  0.27  2.00  """  Rechlorodifluoromethane  ND  0.29  1.00  """  Rechlorodifluoromethane  ND  0.29  1.00  """  Rechloroprene  ND  0.28  1.00  """  Rechloroprene  ND  0.24  1.00  """  Rechloroprene  ND  0.25  1.00  """  Rechloroprene  ND  0.28  1.00  """  Rechloroprene  ND  0.29  1.00  """  Rechloroprene  ND  0.21  1.00  """  Rechloroprene  ND  0.22  1.00  """  Rechloroprene  ND  0.23  1.00  """  Rechloroprene  ND  0.24  1.00  """  Rechloroprene  ND  0.25  1.00  """  Rechloroprene  ND  0.26  1.00  ""  Rechloroprene  ND  0.27  1.00  """  Rechloroprene  ND  0.28  1.00  """  Rechloroprene  ND  0.29  1.00  """  """  Rechloroprene  ND  0.21  1.00  """  """  Rechloroprene  ND  0.24  1.00  """  """  Rechloroprene  ND  0.25  1.00  """  """  Rechloroprene  ND  0.26  1.00  """  """  Rechloroprene  ND  0.27  1.00  """  """  """  """  """  """  ""	***		"	
Chloromethane ND 0.38 2.00 " " " " " " " " " " " " " " " " " "	M-5	79	Ü.	
Chloroprene ND 0.23 1.00 " " " " " " " " " " " " " " " " " "	11	27	- u	
1,2-Dibromo-3-chloropropane   ND   0.24   2.00   "	20	22	11	
Dibromomethane   ND   0.42   1.00	11	9		
1,2-Dibromoethane (EDB)   ND   0.51   1.00	11	tr .	**	
1,2-Dichlorobenzene   ND   0.20   1.00	ij		899	
1,3-Dichlorobenzene   ND   0.24   1.00	"	п	**	
1,4-Dichlorobenzene	"	11	•	
ND   0.27   2.00	**			
ND   0.27   2.00	**	**	3300	
Dichlorodifluoromethane         ND         0.79         2.00         """"""""""""""""""""""""""""""""""""	9	**	n	
1,1-Dichloroethane		**	11	
1,2-Dichloroethane	11	11		
1,1-Dichloroethene	11		**	
ND   0.26   1.00	ï	- iii	"	
rans-1,2-Dichloroethene ND 0.21 1.00 " " " " ,2-Dichloropropane ND 0.28 1.00 " " " " ,3-Dichloropropane ND 0.53 1.00 " " " " ,2-Dichloropropane ND 0.35 1.00 " " " " ;3-Dichloropropane ND 0.35 1.00 " " " " ;3-Dichloropropane ND 0.42 1.00 " " " " ;3-Dichloropropene ND 0.42 1.00 " " " " " ;3-Dichloropropene ND 0.42 1.00 " " " " " ;3-Dichloropropene ND 0.42 1.00 " " " " " ;3-Dichloropropene ND 0.42 1.00 " " " " " ;3-Dichloropropene ND 0.42 1.00 " " " " " " ;3-Dichloropropene ND 0.42 1.00 " " " " " " " ;3-Dichloropropene ND 0.42 1.00 " " " " " " " ;3-Dichloropropene ND 0.42 1.00 " " " " " " " " ;3-Dichloropropene ND 0.42 1.00 " " " " " " " " " ;3-Dichloropropene ND 0.42 1.00 " " " " " " " " " " " " " " " " " "	#	in	"	
,2-Dichloropropane         ND         0.28         1.00         "         "         "           ,3-Dichloropropane         ND         0.53         1.00         "         "         "           ,2-Dichloropropane         ND         0.35         1.00         "         "         "           is-1,3-Dichloropropene         ND         0.42         1.00         "         "         "           rans-1,3-Dichloropropene         ND         0.42         1.00         "         "         "	"	n e		
,3-Dichloropropane       ND       0.53       1.00       " " " "         ,2-Dichloropropane       ND       0.35       1.00       " " "         is-1,3-Dichloropropene       ND       0.42       1.00       " " "         rans-1,3-Dichloropropene       ND       0.42       1.00       " " "	"	**	ir.	
,2-Dichloropropane ND 0.35 1.00 " " " isi-1,3-Dichloropropene ND 0.42 1.00 " " " ansi-1,3-Dichloropropene ND 0.42 1.00 " " "	ii	**	"	
is-1,3-Dichloropropene ND 0.42 1.00 " " " rans-1,3-Dichloropropene ND 0.42 1.00 " " "	ii			
rans-1,3-Dichloropropene ND 0.42 1.00 " "	н	**		
	n	.,		
	n n	"		
71D 0.55 2.00			199	
Mb 0.16 1.00		II .	"	
Rthyl methacrylate         ND         0.78         5.00         "         "           Jexachlorobutadiene         ND         0.34         1.00         "         "	"	n n	"	



Project Name: Mission Bay

EMA Log #: 0411377

## Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBW-5 (0411377-05) Grnd-Water	Sampled:	11/30/04	12:00 Receiv	ed: 11/3	0/04 17:11	Ĺ				
Hexachloroethane	ND	0.25	1.00	ug/l	1	4120201	12/02/04	12/02/04	EPA 8260B	
2-Hexanone	ND	0.51	5.00	n	**	**	n	11	"	
Iodomethane	ND	0.29	1.00		*	п		"	n	
Isobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100	700	(11)	n	**	**		
Methacrylonitrile	ND	0.92	10.0	30	**	:.M:	**	3465	310	
Methylene chloride	ND	0.35	5.00	.11		.11		n.	11.	
Methyl tert-butyl ether	ND	0.47	1.00	**	.00	**		11	"	
4-Methyl-2-pentanone	ND	0.58	25.0	**	'n	**	n	n	"	
Naphthalene	ND	0.25	2.00	THE STREET	310	386	346.3	403	36.7	
2-Nitropropane	ND	1.36	5.00	n	11	9	"	11	**	
n-Propylbenzene	ND	0.24	1.00			11	**	**	n .	
Propionitrile	ND	34.9	100	H		n	n	**	n	
Styrene	ND	0.20	1.00	n	390	316	311	311	п	
1,1,1,2-Tetrachloroethane	ND	0.31	1.00	10		**	11	**		
1,1,2,2-Tetrachloroethane	ND	0.32	2.00			**	**	n	<i>y</i>	
Tetrachloroethene	ND	0.30	1.00		n	**	11		9	
Toluene	ND	0.55	1.00	399	311	3165	H	10	**	
1,2,4-Trichlorobenzene	ND	0.37	1.00	**		11	n	u.		
1,1,1-Trichloroethane	ND	0.40	2.00	"		**	**	***	,,	
1,1,2-Trichloroethane	ND	0.38	1.00	**	**	n	"	10	"	
Trichloroethene	ND	0.23	1.00	380	THE .	300	316	110	**	
Trichlorofluoromethane	ND	0.55	2.00		n	H	10			
1,2,3-Trichloropropane	ND	0.26	2.00	11	**	**	**	"	Ü	
1,2,4-Trimethylbenzene	ND	0.19	1.00	n.	**	n		**		
1,3,5-Trimethylbenzene	ND	0.20	1.00	200	144	**	n	**		
Vinyl chloride	ND	0.38	2.00	11	TI.		10.	#6	"	
m,p-Xylene	ND	0.51	2.00	19	n	**	**	)r	77	
o-Xylene	ND	0.25	1.00	11	u.	n	n	H	**	
Surrogate: Dibromofluoromethane		101 %	80-130			**	n	n)	"	
Surrogate: 4-Bromofluorobenzene		115%	80-135			**	"	"	"	
Surrogate: Toluene-d8		107 %	80-120			SHE.	n		"	



EMA Log #: 0411377

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBE-6 (0411377-06) Grnd-Water	Sampled:	11/30/04	14:40 Receiv	ved: 11/30	/04 17:11					
Acetone	ND	7.46	25.0	ug/l	1	4120201	12/02/04	12/02/04	EPA 8260B	
Acetonitrile	ND	16.9	50.0	SHE	300	3965	n	102	11	
Acrolein	ND	15.4	100	**	n	"	**	"	"	
Acrylonitrile	ND	0.66	10.0	**	0	**	**	"	**	
Allyl chloride	ND	0.29	1.00	•		**	**	**	"	
Benzene	ND	0.28	1.00	111	302	(99)	(10)	n	# =	
Bromobenzene	ND	0.50	1.00	n	11	"	**	**	"	
Bromochloromethane	ND	0.41	1.00	**	"	"	"	**	Ü	
Bromodichloromethane	ND	0.33	1.00	**	10		**	"	"	
Bromoform	ND	0.30	1.00	210	300	n.	.00	380	11	
Bromomethane	ND	0.73	2.00	371	.11.	.11			ii .	
2-Butanone	ND	5.25	25.0	**	**	**	"	**	"	
Carbon disulfide	ND	0.31	1.00	**		11	"	**	y .	
Carbon tetrachloride	ND	0.71	2.00	TYPE	980	300	n	**	"	
Chlorobenzene	ND	0.24	1.00	11	W	11	m .	**	ï	
Chlorodibromomethane	ND	0.27	1.00	**	**			**	n	
Chloroethane	ND	0.35	2.00	**	**		u.		II .	
Chloroform	ND	0.36	1.00	DetC	3963	912	30%	n	II .	
Chloromethane	ND	0.38	2.00	200		(11)	ñ.	30	"	
Chloroprene	ND	0.23	1.00		**		11	**	ũ	
1,2-Dibromo-3-chloropropane	ND	0.24	2.00	**	**		90	**	· ·	
Dibromomethane	ND	0.42	1.00	n	**	11	30.7		**	
1,2-Dibromoethane (EDB)	ND	0.51	1.00	7.980	38.0	(11)	30.	30.1	11	
1,2-Dichlorobenzene	ND	0.20	1.00	**	**		11	**	ii.	
1,3-Dichlorobenzene	ND	0.24	1.00	**	•			**	II.	
1,4-Dichlorobenzene	ND	0.21	1.00	*1	**	n	n	*		
trans-1,4-Dichloro-2-butene	ND	0.27	2.00	3913	**	310	(0.0)	30:3	"	
Dichlorodifluoromethane	ND	0.79	2.00	**	*	n	n	n	ü	
1,1-Dichloroethane	ND	0.29	1.00	**	**				ij	
1,2-Dichloroethane	ND	0.28	1.00	311	yr.		0	n	"	
1,1-Dichloroethene	ND	0.24	1.00	310	m	200.9	310	ж	"	
cis-1,2-Dichloroethene	ND	0.26	1.00	10	•	**	w	n	11	
trans-1,2-Dichloroethene	ND	0.21	1.00	**	**	n	n	n	n	
1,2-Dichloropropane	ND	0.28	1.00		**	**	19	n	"	
1,3-Dichloropropane	ND	0.53	1.00	290	**	311.5	30	и	11	
2,2-Dichloropropane	ND	0.35	1.00	70.	**	,,	11	n	W .	
cis-1,3-Dichloropropene	ND	0.42	1.00	(4)	**	**	**	"	ï	
trans-1,3-Dichloropropene	ND	0.42	1.00	**	**	**	"	n	"	
Diethyl ether	ND	0.33	2.00	***	311	341	31	и :	"	
Ethylbenzene	ND	0.18	1.00	19	***	310	.0:		"	
Ethyl methacrylate	ND	0.78	5.00	**	**	**	,,	91	ũ	
Hexachlorobutadiene	ND	0.34	1.00	**	**	"	**	W	н	



Project Name: Mission Bay

EMA Log #: 0411377

## Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBE-6 (0411377-06) Grnd-Water S	Sampled:	11/30/04	14:40 Receive	ed: 11/30	/04 17:11					
Hexachloroethane	ND	0.25	1.00	ug/l	1	4120201	12/02/04	12/02/04	EPA 8260B	
2-Hexanone	ND	0.51	5.00	0.000	E#K	396	390	:#6	(11.)	
Iodomethane	ND	0.29	1.00	.00	79		.11	**	n	
Isobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100	(1)	**	**	**	**	n.	
Methacrylonitrile	ND	0.92	10.0	36	"	11		n	30	
Methylene chloride	ND	0.35	5.00	0.00	19	:110	316	m:	H: S	
Methyl tert-butyl ether	ND	0.47	1.00	.00	**	п	,,,	**	11	
4-Methyl-2-pentanone	ND	0.58	25.0	***	**		"	"	н	
Naphthalene	ND	0.25	2.00	.11	**	n	**	**	п	
2-Nitropropane	ND	1.36	5.00	1000	:96:	986	***	38.	30.5	
n-Propylbenzene	ND	0.24	1.00	- 11		11	"	"		
Propionitrile	ND	34.9	100	**	H	n	"			
Styrene	ND	0.20	1.00	***	**	u		n		
1,1,1,2-Tetrachloroethane	ND	0.31	1.00	**	17997	ж	346	900	340	
1,1,2,2-Tetrachloroethane	ND	0.32	2.00	· m		11	"	n		
Tetrachloroethene	ND	0.30	1.00	11	n	11	**	11	**	
Toluene	ND	0.55	1.00	**	**	n	31	11	**	
1,2,4-Trichlorobenzene	ND	0.37	1.00	**	111	н	311	311	H:	
1,1,1-Trichloroethane	ND	0.40	2.00	398.	.500.	w	10.	Ti.	•	
1,1,2-Trichloroethane	ND	0.38	1.00	11		.11	**	"	**	
Trichloroethene	ND	0.23	1.00		in	.00	-11	n	H.	
Trichlorofluoromethane	ND	0.55	2.00	H.	œ	9 <b>11</b>	10"	ж	900	
1,2,3-Trichloropropane	ND	0.26	2.00	n	840		300	n.	11	
1,2,4-Trimethylbenzene	ND	0.19	1.00	ii .	11	**	**	**	**	
1,3,5-Trimethylbenzene	ND	0.20	1.00	**		**	.01	**	n.	
Vinyl chloride	ND	0.38	2.00	11	***	**	E)O	**	н	
m,p-Xylene	ND	0.51	2.00	et.	286	2992	300	39.	700	
o-Xylene	ND	0.25	1.00	ü	Ħ	"	m.	**	n	
Surrogate: Dibromofluoromethane		102 %	80-130			"	.//	"	"	
Surrogate: 4-Bromofluorobenzene		116 %	80-135			"	"	"	n	
Surrogate: Toluene-d8		107 %	80-120	ì		"	n	"	"	



EMA Log #: 0411377

## Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		CANAD IN S					1 repared	Amaryzed	Welled	41010
MBW-7 (0411377-07) Grnd-Water			13:20 Rec				12/02/04	12/02/04	EBA 93/0P	
Acetone	ND	7.46	25.0	ug/l	1	4120201	12/02/04	12/02/04	EPA 8260B	
Acetonitrile	ND	16.9	50.0		200	n e		M.		
Acrolein	ND	15.4	100						"	
Acrylonitrile	ND	0.66	10.0	10			m.	m .	D.	
Allyl chloride	ND	0.29	1.00		"	36	n n	"		
Benzene	ND	0.28	1.00			30	30		11	
Bromobenzene	ND	0.50	1.00						n.	
Bromochloromethane	ND	0.41	1.00	10.		.01				
Bromodichloromethane	ND	0.33	1.00	.0	"	11	m	**	u	
Bromoform	ND	0.30	1.00			31	n n		"	
Bromomethane	ND	0.73	2.00	516	746	OH:	300	**	31 E	
2-Butanone	ND	5.25	25.0	2.00	п	11	ii.	H.	iii	
Carbon disulfide	ND	0.31	1.00	"	**	.0	.01	"	10	
Carbon tetrachloride	ND	0.71	2.00	(0)	**	39		**	"	
Chlorobenzene	ND	0.24	1.00	500	316	310	3000	300	n :	
Chlorodibromomethane	ND	0.27	1.00	0.00	111	.00	.11	**	iii.	
Chloroethane	ND	0.35	2.00	ıı	29	**	**	**		
Chloroform	ND	0.36	1.00		**	w	"	**	n	
Chloromethane	ND	0.38	2.00	***	H	200	Test	W	ar :	
Chloroprene	ND	0.23	1.00	996	3.113	:10:	.11	:21:	n.	
1,2-Dibromo-3-chloropropane	ND	0.24	2.00	iii	21	н	**	**		
Dibromomethane	ND	0.42	1.00	**	17	**	**	н	**	
1,2-Dibromoethane (EDB)	ND	0.51	1.00	***	11	316	311	396	90.5	
1,2-Dichlorobenzene	ND	0.20	1.00	311	310:	ार	.11		m.	
1,3-Dichlorobenzene	ND	0.24	1.00	**	10	**	**	**	**	
1,4-Dichlorobenzene	ND	0.21	1.00	**		**	**		"	
trans-1,4-Dichloro-2-butene	ND	0.27	2.00	**	10	16	**	300	n	
Dichlorodifluoromethane	ND	0.79	2.00	: #	in.	:#:		39%	3110	
1,1-Dichloroethane	ND	0.29	1.00	ñ	n	**	,,		**	
	ND	0.29	1.00		711	"	"		,,	
1,2-Dichloroethane		0.24	1.00	W	n	**	in.	n	**	
I,1-Dichloroethene	ND				11		11		**	
cis-1,2-Dichloroethene	ND	0.26	1.00	i ii	11	,,	11	п	"	
trans-1,2-Dichloroethene	ND	0.21	1.00	11	n	,,	,,		**	
1,2-Dichloropropane	ND	0.28	1.00			"			"	
1,3-Dichloropropane	ND	0.53	1.00	".		**				
2,2-Dichloropropane	ND	0.35	1.00	н	1100			300	H.	
cis-1,3-Dichloropropene	ND	0.42	1.00	п	.10			11	"	
trans-1,3-Dichloropropene	ND	0.42	1.00	ü	**	**	.,	"		
Diethyl ether	ND	0.33	2.00	ű	**		19	"	0	
Ethylbenzene	ND	0.18	1.00	**		in:	300	346	316	
Ethyl methacrylate	ND	0.78	5.00	15	: 11		.01	ж	W.	
Hexachlorobutadiene	ND	0.34	1.00	**	***	11		**	11	



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## Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBW-7 (0411377-07) Grnd-Water	Sampled:	11/30/04	13:20 Receiv	ed: 11/3	0/04 17:11					
Hexachloroethane	ND	0.25	1.00	ug/l	1	4120201	12/02/04	12/02/04	EPA 8260B	
2-Hexanone	ND	0.51	5.00		10	"		"		
Iodomethane	ND	0.29	1.00	910	300	20	11	11		
Isobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100	11	**	"	ij	**	n	
Methacrylonitrile	ND	0.92	10.0	0	***	n	ij	n	**	
Methylene chloride	ND	0.35	5.00	311		n	ii .	u.		
Methyl tert-butyl ether	ND	0.47	1.00	30.7	<b>90</b> 0	91	11	Eπ	286	
4-Methyl-2-pentanone	ND	0.58	25.0	11	**	n		- iii	**	
Naphthalene	ND	0.25	2.00	n	**	**	ŭ	11		
2-Nitropropane	ND	1.36	5.00	**	11	"	"	. 0	300	
n-Propylbenzene	ND	0.24	1.00	1917	31	**	**	111	eur -	
Propionitrile	ND	34.9	100	**	0	iii	#	**	TI.	
Styrene	ND	0.20	1.00	**	ž	**	#	**	11	
1,1,1,2-Tetrachloroethane	ND	0.31	1.00	**		<u>;;</u>	#	**	0	
1,1,2,2-Tetrachloroethane	ND	0.32	2.00	30 %	n	"	tt	1100	211	
Tetrachloroethene	ND	0.30	1.00	0.1	ñ	"	11	in .	11	
Toluene	ND	0.55	1.00		"	**	ij	**	n	
1,2,4-Trichlorobenzene	ND	0.37	1.00		22	"	"	ii.	**	
1,1,1-Trichloroethane	ND	0.40	2.00	n	***	n	H		**	
1,1,2-Trichloroethane	ND	0.38	1.00	.01	77	ii.	TT.	200	.99	
Trichloroethene	ND	0.23	1.00	n	**	ii .	Ü		**	
Trichlorofluoromethane	ND	0.55	2.00		"	"	Ü		"	
1,2,3-Trichloropropane	ND	0.26	2.00	n	**	**	11	/ tr	**	
1,2,4-Trimethylbenzene	ND	0.19	1.00	D.	77	**	0.	200		
1,3,5-Trimethylbenzene	ND	0.20	1.00	10	**	**	0		•	
Vinyl chloride	ND	0.38	2.00	0	**	**	w	**	**	
m,p-Xylene	ND	0.51	2.00	n	"	**	и		**	
o-Xylene	ND	0.25	1.00	39	"	rt.	196	316	3411	
Surrogate: Dibromofluoromethane		111 %	80-130				ñ	ü	n	
Surrogate: 4-Bromofluorobenzene		118%	80-135			"	"	n	,,	
Surrogate: Toluene-d8		107 %	80-120			"	**	"	<i>n</i>	



EMA Log #: 0411377

Project Name: Mission Bay

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MB-10 (0411377-08) Grnd-Water	Sampled:	11/30/04	12:45 Receiv	ed: 11/30	/04 17:11					GC-35
Acetone	ND	7.46	25.0	ug/l	1	4120201	12/02/04	12/02/04	EPA 8260B	
Acetonitrile	ND	16.9	50.0	71	.00	39	900	**	**	
Acrolein	ND	15.4	100	**	11	**	**	**	rt r	
Acrylonitrile	ND	0.66	10.0	11	10	"	"	**	11	
Allyl chloride	ND	0.29	1.00	(11)	347	n			· m	
Benzene	ND	0.28	1.00	11.	W.	u	U	"		
Bromobenzene	ND	0.50	1.00	19	**	n		ii		
Bromochloromethane	ND	0.41	1.00	"	**	9	9	n	**	
Bromodichloromethane	ND	0.33	1.00	144.0	345	#1	"		41	
Bromoform	ND	0.30	1.00		30	29	"	**	EHE	
Bromomethane	ND	0.73	2.00	**	n.		Ŧ.	**	o.	
2-Butanone	ND	5.25	25.0	**	11		**	11	n	
Carbon disulfide	ND	0.31	1.00	WT	#	н	"	**	**	
Carbon tetrachloride	ND	0.71	2.00	Hora	31.5	11	11	**	1399	
Chlorobenzene	ND	0.24	1.00	9	**	9	ï	. 10	m	
Chlorodibromomethane	ND	0.27	1.00	10		9	ij.	10	**	
Chloroethane	ND	0.35	2.00	0	0	**	"	n	**	
Chloroform	ND	0.36	1.00	#F.2	н	**	11	- 11	.11	
Chloromethane	ND	0.38	2.00	**	n	iii	<del>ji</del>		300	
Chloroprene	ND	0.23	1.00	**	n		**	**	· m	
1,2-Dibromo-3-chloropropane	ND	0.24	2.00	**	11	"		**	iu.	
Dibromomethane	ND	0.42	1.00	216	31	"	**	111	(0)	
1,2-Dibromoethane (EDB)	ND	0.51	1.00	11	n	11		900	100	
1,2-Dichlorobenzene	ND	0.20	1.00	0	"	ii	tt.	**	**	
1,3-Dichlorobenzene	ND	0.24	1.00	n	"	"	11	п	*	
1,4-Dichlorobenzene	ND	0.21	1.00	н	31	**	ж	THE	**	
trans-1,4-Dichloro-2-butene	ND	0.27	2.00	Ÿi	W	**	ii		**	
Dichlorodifluoromethane	ND	0.79	2.00	ñ	ii.	**	H		"	
1,1-Dichloroethane	ND	0.79	1.00	,,	11	п	**			
1,2-Dichloroethane	ND	0.29	1.00	**			п	316 316	n	
1,1-Dichloroethene	ND	0.24	1.00	vi	ii	ű	.11	**		
				**	**	11	**	n		
cis-1,2-Dichloroethene trans-1,2-Dichloroethene	ND	0.26	1.00	**	**	н		"	,,	
	ND	0.21	1.00	**			- 10 - 10	in.		
1,2-Dichloropropane	ND	0.28	1.00	"	"	,,		n n		
1,3-Dichloropropane	ND	0.53	1.00	"	"	"	n	n	11	
2,2-Dichloropropane	ND	0.35	1.00	"	"	"				
cis-1,3-Dichloropropene	ND	0.42	1.00				"	11	11.	
trans-1,3-Dichloropropene	ND	0.42	1.00		0	u	n	и	1111	
Diethyl ether	ND	0.33	2.00	11	et es	200	SHE	300	**	
Ethylbenzene	ND	0.18	1.00	"	u	11	"		340	
Ethyl methacrylate	ND	0.78	5.00	"		"	**	**	n	
Hexachlorobutadiene	ND	0.34	1.00	11	ii.		**	**	.00	



EMA Log #: 0411377

### Volatile Organic Compounds by EPA Method 8260B

MB-10 (0411377-08) Grnd-Water   Sampled: 11/30/04 12:45   Received: 11/30/04 17:11   Section   March   March	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane											GC-35
2-Hexanone							4120201	12/02/04	12/02/04	EDA 9260D	GC-33
Icodomethane						(37)					
Sobutyl alcohol (2-Methyl-1-propanol)   ND   39.8   100					M	11		"	**	ii	
Methacrylonitrile         ND         0.92         10.0         """"""""""""""""""""""""""""""""""""					**	"					
Methylene chloride         ND         0.35         5.00         """"""""""""""""""""""""""""""""""""					н	"	n.	**	**	**	
Methyl tert-butyl ether         ND         0.47         1.00         """"""""""""""""""""""""""""""""""""					911	300	10.5	ж.		и :	
4-Methyl-2-pentanone         ND         0.58         25.0         """"""""""""""""""""""""""""""""""""	and the state of t				1881	(0)	ji.		"	11	
Naphthalene ND 0.25 2.00 " " " " " " " " " " " " " " " " " "					**			*	**		
2-Nitropropane ND 1.36 5.00 " " " " " " " " " " " " " " " " " "	8						n.	"	"	"	
n-Propylbenzene         ND         0.24         1.00         """"""""""""""""""""""""""""""""""""					900	365	310	**	96.2	**	
Propionitrile					386	300	30	30	n	ï	
Styrene         ND         0.20         1.00         """"""""""""""""""""""""""""""""""""					**	**		**	**	ï	
1,1,1,2-Tetrachloroethane       ND       0.31       1.00       """"""""""""""""""""""""""""""""""""					**	"		*	"	77	
1,1,2,2-Tetrachloroethane       ND       0.32       2.00       "						U	**	(44)	11	**	
Tetrachloroethene ND 0.30 1.00 " " " " " " " " " " " " " " " " " "					3800	300	70	m .	<i>i</i> i.	ü	
Toluene ND 0.55 1.00 " " " " " " " " " 1,2,4-Trichlorobenzene ND 0.37 1.00 " " " " " " " " " " " " 1,1,1-Trichloroethane ND 0.40 2.00 " " " " " " " " " " " " " " " 1,1,2-Trichloroethane ND 0.38 1.00 " " " " " " " " " " " " " " " " " "		ND	0.30	1.00	**		•	**	H	,,	
1,1,1-Trichloroethane				1.00	**			**	90	"	
1,1,2-Trichloroethane	1,2,4-Trichlorobenzene	ND	0.37	1.00	**	H	н	(44.)	10	11	
1,1,2-Trichloroethane       ND       0.38       1.00       " <td< td=""><td>1,1,1-Trichloroethane</td><td>ND</td><td>0.40</td><td>2.00</td><td>2983</td><td>311</td><td>3113</td><td>.90</td><td>39.0</td><td>**</td><td></td></td<>	1,1,1-Trichloroethane	ND	0.40	2.00	2983	311	3113	.90	39.0	**	
Trichlorofluoromethane ND 0.25 1.00  Trichlorofluoromethane ND 0.55 2.00 " " " " " " " " " 1,2,3-Trichloropropane ND 0.26 2.00 " " " " " " " " " " " " " 1,3,5-Trimethylbenzene ND 0.19 1.00 " " " " " " " " " " " " " " " " " "		ND	0.38	1.00	***		**		n	11	
1,2,3-Trichloropropane	Trichloroethene	ND	0.23	1.00	**	"	**	**	303		
1,2,4-Trimethylbenzene ND 0.19 1.00 " " " " " " " " " " " " " " " " " "	Trichlorofluoromethane	ND	0.55	2.00	30	**	**	ж.	n	**	
1,3,5-Trimethylbenzene ND 0.20 1.00 " " " " " " " " " " " " " " " " " "	1,2,3-Trichloropropane	ND	0.26	2.00	300	310	1865	30%	36.7	"	
Vinyl chloride         ND         0.38         2.00         "	1,2,4-Trimethylbenzene	ND	0.19	1.00	11	**	"	"	ii.	2	
m,p-Xylene         ND         0.51         2.00         "	1,3,5-Trimethylbenzene	ND	0.20	1.00	9.	"	"	**	0	**	
o-Xylene ND 0.31 2.00 o-Xylene ND 0.25 1.00 " " " " " " "  Surrogate: Dibromofluoromethane 102 % 80-130 " " " " "  Surrogate: 4-Bromofluorobenzene 116 % 80-135 " " " "	Vinyl chloride	ND	0.38	2.00	.00	**	**	**	0.0	**	
Surrogate: Dibromofluoromethane 102 % 80-130 " " " " Surrogate: 4-Bromofluorobenzene 116 % 80-135 " " " "	m,p-Xylene	ND	0.51	2.00	:n:	311	14	987	300	**	
Surrogate: 4-Bromofluorobenzene 116 % 80-135 " " " "	o-Xylene	ND	0.25	1.00	11	"		ir.		**	
Surrogate: 4-Bromofutorovenzene 110 % 80-133	Surrogate: Dibromofluoromethane		102 %	80-130			"	"	"	"	
Surrogate: Toluene-d8 105 % 80-120 " " " "	Surrogate: 4-Bromofluorobenzene		116 %	80-135			"	"	"	"	
	Surrogate: Toluene-d8		105 %	80-120			**	"	"	*	



EMA Log #: 0411377

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
*.							Lioparou	imaryzou	HAVMIUM	. 10100
MBSW-2 (0411377-09) Stormwater			15:45 Rec				12/02/04	12/02/04	EDA 00/0D	
Acetone	ND	7.46	25.0	ug/l	1 "	4120301	12/03/04	12/03/04	EPA 8260B	
Acetonitrile	ND	16.9	50.0	/6	*		**	"		
Acrolein	ND	15.4	100	196	7.00	311	146	**		
Acrylonitrile	ND	0.66	10.0	**	эн.	an.	391		11	
Allyl chloride	ND	0.29	1.00	11	,,		**	**	и	
Benzene	ND	0.28	1.00		,,			**		
Bromobenzene	ND	0.50	1.00			:W	*	"		
Bromochloromethane	ND	0.41	1.00	**						
Bromodichloromethane	ND	0.33	1.00	5.44	(CHE				30.2	
Bromoform	ND	0.30	1.00	**		.00		"		
Bromomethane	ND	0.73	2.00	**		**	"	n	*	
2-Butanone	ND	5.25	25.0	**		.11	n	**	**	
Carbon disulfide	ND	0.31	1.00	1198		-W	395	315	<b>31</b> .0	
Carbon tetrachloride	ND	0.71	2.00	. **	10		.91	"	"	
Chlorobenzene	ND	0.24	1.00	**		**	"		**	
Chlorodibromomethane	ND	0.27	1.00	- 11	.11	**	11	n	*	
Chloroethane	ND	0.35	2.00	ार	200	्राम	319	3113	н	
Chloroform	ND	0.36	1.00	.0.	10	**	11	n	n	
Chloromethane	ND	0.38	2.00	0.	**	**		"	"	
Chloroprene	ND	0.23	1.00	11	**	**	.00		n	
1,2-Dibromo-3-chloropropane	ND	0.24	2.00	**	.**	EH:	3110	385	300	
Dibromomethane	ND	0.42	1.00	rr rr		11	10	**	n	
1,2-Dibromoethane (EDB)	ND	0.51	1.00	**	**	91	11	**	"	
1,2-Dichlorobenzene	ND	0.20	1.00	**	**	.00	H.	**	m.	
1,3-Dichlorobenzene	ND	0.24	1.00	0	·m	Эн	180	0940	303	
1,4-Dichlorobenzene	ND	0.21	1.00	**	3.09.	U	.00		Tr.	
trans-1,4-Dichloro-2-butene	ND	0.27	2.00	ń			н	**	11	
Dichlorodifluoromethane	ND	0.79	2.00	**	0	II	**	**	n	
1,1-Dichloroethane	ND	0.29	1.00	**	⊒θ;	200	316	36	n	
1,2-Dichloroethane	ND	0.28	1.00	**	70.	$\cdot \alpha$	TH.	71	**	
1,1-Dichloroethene	ND	0.24	1.00	ii .	н	**		11	**	
cis-1,2-Dichloroethene	ND	0.26	1.00	**	11		**	u		
trans-1,2-Dichloroethene	ND	0.21	1.00	"	n	н	***	н	390	
1,2-Dichloropropane	ND	0.28	1.00	n	tt	511	17890	310	n.	
1,3-Dichloropropane	ND	0.53	1.00	"	ü	**	.11	11	**	
2,2-Dichloropropane	ND	0.35	1.00	"	**	14	**		,,	
cis-1,3-Dichloropropene	ND	0.42	1.00	11	**	**	300		**	
trans-1,3-Dichloropropene	ND	0.42	1.00	11	**		0.000	316	:11:	
MULTIPLE AND THE PROPERTY OF T	ND	0.42	2.00	,,	**	76		**	m .	
Diethyl ether	ND	0.33	1.00	**	**	W.	- 10	,,	"	
Ethylbenzene Ethyl mothermists		0.18	5.00	**		w	100			
Ethyl methacrylate	ND			**			(W)	555 S <b>H</b>		
Hexachlorobutadiene	ND	0.34	1.00	,,	"					



Project Name: Mission Bay

EMA Log #: 0411377

## Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBSW-2 (0411377-09) Stormwater	Sampled:	11/30/04	15:45 Receiv	ved: 11/3	0/04 17:1	1				
Hexachloroethane	ND	0.25	1.00	ug/l	1	4120301	12/03/04	12/03/04	EPA 8260B	
2-Hexanone	ND	0.51	5.00	**	11	11	**	11	"	
Iodomethane	ND	0.29	1.00		"		"	11	"	
Isobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100	OFF	311	1112	900	n	m .	
Methacrylonitrile	ND	0.92	10.0	.00	71.	300	:00:	3115	no.	
Methylene chloride	ND	0.35	5.00	**	"	11	н	n	11	
Methyl tert-butyl ether	ND	0.47	1.00		ii.	n	0	**	11	
4-Methyl-2-pentanone	ND	0.58	25.0	110	100	346	10	.00	"	
Naphthalene	ND	0.25	2.00	***	TI.	.110	110	.000	11	
2-Nitropropane	ND	1.36	5.00	**	11	**	**		ii .	
n-Propylbenzene	ND	0.24	1.00	**	"		**	D.	<u> </u>	
Propionitrile	ND	34.9	100	7112	(10)	n-	и,	**	"	
Styrene	ND	0.20	1.00	.00	**	OIC:	.00.0	165	ш	
1,1,1,2-Tetrachloroethane	ND	0.31	1.00		**		11	*	"	
1,1,2,2-Tetrachloroethane	ND	0.32	2.00	"	.00	**	,,	9	n	
Tetrachloroethene	ND	0.30	1.00	3107	H	н	0	0.0	"	
Toluene	ND	0.55	1.00	1985	300	m.	3977	н	**	
1,2,4-Trichlorobenzene	ND	0.37	1.00	**	n	**	**	n	"	
1,1,1-Trichloroethane	ND	0.40	2.00	**	(9)	"	"		ñ	
1,1,2-Trichloroethane	ND	0.38	1.00			**		2	"	
Trichloroethene	ND	0.23	1.00	3900	399.7	300	,tt	"	**	
Trichlorofluoromethane	ND	0.55	2.00	**	**	u	n	11	**	
1,2,3-Trichloropropane	ND	0.26	2.00	(1)	**	n	n	"	"	
1,2,4-Trimethylbenzene	ND	0.19	1.00	0	.11.		31	**	",	
1,3,5-Trimethylbenzene	ND	0.20	1.00	110	1813	10.7	"	**	i u	
Vinyl chloride	ND	0.38	2.00	n	H.	*	"	"	n	
m,p-Xylene	ND	0.51	2.00		n:	**	9	11		
o-Xylene	ND	0.25	1.00	11	n	и	"	ıı.	"	
Surrogate: Dibromofluoromethane		102 %	80-130			38%	n:	w	"	
Surrogate: 4-Bromofluorobenzene		115 %	80-135			$H^{\pm}$	W.	n :	"	
Surrogate: Toluene-d8		105 %	80-120			**	,,	"	"	



EMA Log #: 0411377

## Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBSW-3 (0411377-10) Stormwater			15:25 Re				riopared	. mary zou	Memod	110103
Acetone (0411377-10) Stormwater	ND	7.46	25.0	ug/l	1	4120301	12/03/04	12/03/04	EPA 8260B	
Acetonie	ND	16.9	50.0	ug/1		4120301	12/03/04	12/03/04	EFA 8200B	
Acrolein	ND	15.4	100	210	310	111		**		
Acrylonitrile	ND	0.66	10.0	u.	11		11	"	ii.	
Allyl chloride	ND	0.29	1.00	11	**	"		Ħ	ïi	
Benzene	ND	0.28	1.00	n	**		n	**		
Bromobenzene	ND	0.50	1.00	.11	(11)	200	an.	an c	11	
Bromochloromethane	ND	0.30	1.00		**	**	n		"	
Bromodichloromethane	ND	0.33	1.00	30	**			30	**	
Bromoform	ND	0.33	1.00	301	**	**	w	н	"	
Bromomethane	ND	0.30	2.00	:HC	38	**	11	307	"	
				"		"	"	n		
2-Butanone	ND	5.25	25.0	**			11	W .	**	
Carbon disulfide	ND	0.31	1.00		n					
Carbon tetrachloride	ND	0.71	2.00		u.		"		"	
Chlorobenzene	ND	0.24	1.00	5 <b>4</b> (0				3112		
Chlorodibromomethane	ND	0.27	1.00	"	11	11	"	11		
Chloroethane	ND	0.35	2.00	"			"	11	"	
Chloroform	ND	0.36	1.00	**	11	11	"	n	"	
Chloromethane	ND	0.38	2.00	3.79	10	316	**	9977	"	
Chloroprene	ND	0.23	1.00	71	Tr.	11	"	n:	ii.	
1,2-Dibromo-3-chloropropane	ND	0.24	2.00	*	.00	**	**	**	Ü	
Dibromomethane	ND	0.42	1.00	**		n.	**	n	11	
1,2-Dibromoethane (EDB)	ND	0.51	1.00	2787	3112	317	**	***	п	
1,2-Dichlorobenzene	ND	0.20	1.00	71	11	115	11	"	"	
1,3-Dichlorobenzene	ND	0.24	1.00	**	**	**	**	**	"	
1,4-Dichlorobenzene	ND	0.21	1.00	**	"	11		m.		
trans-1,4-Dichloro-2-butene	ND	0.27	2.00	***	***	36	m.		"	
Dichlorodifluoromethane	ND	0.79	2.00	H.	70	31.	30.0	#E1	"	
1,1-Dichloroethane	ND	0.29	1.00	n	**	n	11	**	"	
1,2-Dichloroethane	ND	0.28	1.00		**	**		"	W.	
1,1-Dichloroethene	ND	0.24	1.00	31	**	**		311	"	
cis-1,2-Dichloroethene	ND	0.26	1.00	300	.m.	200	99.7	311.5	#	
rans-1,2-Dichloroethene	ND	0.21	1.00	30	**	,,	,,	**	"	
1,2-Dichloropropane	ND	0.21	1.00			**	"		"	
1,3-Dichloropropane	ND	0.53	1.00		•	**	107	,,	"	
2,2-Dichloropropane	ND	0.35	1.00		.11	**	(10)	ar .	"	
cis-1,3-Dichloropropene	ND	0.33	1.00	,,	н	н	11	11	77	
0 0 0	ND	0.42	1.00	n i			**	11	**	
trans-1,3-Dichloropropene			100000000000000000000000000000000000000	и.	n		*		"	
Diethyl ether	ND	0.33	2.00		***	**	,,			
Ethylbenzene	ND	0.18	1.00	"		"			"	
Ethyl methacrylate	ND	0.78	5.00				"			
Hexachlorobutadiene	ND	0.34	1.00		**			н	**	



EMA Log #: 0411377

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBSW-3 (0411377-10) Stormwater	Sampled:	11/30/04	15:25 Recei	ved: 11/3	0/04 17:1	1				
Hexachloroethane	ND	0.25	1.00	ug/l	1	4120301	12/03/04	12/03/04	EPA 8260B	
2-Hexanone	ND	0.51	5.00	3863	10.5	10.5	**	**	ास	
Iodomethane	ND	0.29	1.00		11	n	"	"	Tr.	
Isobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100		11	n	"	**		
Methacrylonitrile	ND	0.92	10.0	30	**	n	"	**	/#	
Methylene chloride	ND	0.35	5.00	1000	100	п	Ħ	**	196	
Methyl tert-butyl ether	ND	0.47	1.00	30	**	n	"	n n	/W	
4-Methyl-2-pentanone	ND	0.58	25.0	11	er .	n	"	11		
Naphthalene	ND	0.25	2.00		11	"	11	11	**	
2-Nitropropane	ND	1.36	5.00	78900	10	**	11	11	7000	
n-Propylbenzene	ND	0.24	1.00	77:	11		11	7.00	286	
Propionitrile	ND	34.9	100	**	11	"	#	**	n	
Styrene	ND	0.20	1.00	**	9	u u	7	**	.11	
1,1,1,2-Tetrachloroethane	ND	0.31	1.00	700	17	"	#	/ ee	n	
1,1,2,2-Tetrachloroethane	ND	0.32	2.00	30	"		ũ		200	
Tetrachloroethene	ND	0.30	1.00	88	n	Ä	Ħ	"	TI.	
Toluene	ND	0.55	1.00		**	u	н	**	"	
1,2,4-Trichlorobenzene	ND	0.37	1.00	31	**	"	H	n	**	
1,1,1-Trichloroethane	ND	0.40	2.00	30.5		"	11.	340	.99	
1,1,2-Trichloroethane	ND	0.38	1.00	n ·	<i>ii</i>	**	ü	**	"	
Trichloroethene	ND	0.23	1.00	11		9	0.		**	
Trichlorofluoromethane	ND	0.55	2.00	н	**	**	11.		in.	
1,2,3-Trichloropropane	ND	0.26	2.00	.01	"	**	00.11	:m:	3061	
1,2,4-Trimethylbenzene	ND	0.19	1.00	ï	"	**	ü	10	**	
1,3,5-Trimethylbenzene	ND	0.20	1.00	"	<u>ii</u>	**	17	n		
Vinyl chloride	ND	0.38	2.00	39		**		**	**	
m,p-Xylene	ND	0.51	2.00	31	"	tt	396	200	399	
o-Xylene	ND	0.25	1.00	ü	ii	n	ii.	**	n	
Surrogate: Dibromofluoromethane	1	104 %	80-130			"	"			
Surrogate: 4-Bromofluorobenzene		117%	80-135			"	"	"	"	
Surrogate: Toluene-d8		108 %	80-120			n	"	,,,	"	



EMA Log #: 0411377

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	g Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SDRSW-5 (0411377-11) Stormwater	Sample	d: 11/30/0	4 13:40	Received: 11/3	30/04 17:	11				
Acetone	ND	7.46	25.0	ug/l	1	4120301	12/03/04	12/03/04	EPA 8260B	
Acetonitrile	ND	16.9	50.0		н	"	W	11		
Acrolein	ND	15.4	100	**	.11	*	*	**	11	
Acrylonitrile	ND	0.66	10.0		н	"	*	"	n :	
Allyl chloride	ND	0.29	1.00	11	-81	11	10	317	n)	
Benzene	ND	0.28	1.00	.00	0.	71	11	395		
Bromobenzene	ND	0.50	1.00	n		**	"	**	Ü.	
Bromochloromethane	ND	0.41	1.00	11	"	"	"	**	10	
Bromodichloromethane	ND	0.33	1.00	CHE	**	316	THE STATE OF THE S	946	11	
Bromoform	ND	0.30	1.00	.0	77	.00	.01	99.0	U	
Bromomethane	ND	0.73	2.00	н	**	11			n	
2-Butanone	ND	5.25	25.0	п	**	•	0	*	2	
Carbon disulfide	ND	0.31	1.00	3117	100	31	36	ж		
Carbon tetrachloride	ND	0.71	2.00	310	2890	191	390	30%	**	
Chlorobenzene	ND	0.24	1.00	•	•	**	**	11	#	
Chlorodibromomethane	ND	0.27	1.00	(10)	11	**	39	90	**	
Chloroethane	ND	0.35	2.00	11	700	**	5 <b>96</b> X	n	"	
Chloroform	ND	0.36	1.00	399:	300	(11)	997	30.7	"	
Chloromethane	ND	0.38	2.00			**	"	11	,,	
Chloroprene	ND	0.23	1.00			**	**		ii	
1,2-Dibromo-3-chloropropane	ND	0.24	2.00	311	305	**	**	10	**	
Dibromomethane	ND	0.42	1.00	(98)	190	3113	:#0	90.1	**	
1,2-Dibromoethane (EDB)	ND	0.51	1.00	**		**	,,	11	,,	
1,2-Dichlorobenzene	ND	0.20	1.00	**		(N)	#	"	ïi	
1,3-Dichlorobenzene	ND	0.24	1.00	**				,,	"	
1,4-Dichlorobenzene	ND	0.24	1.00	**	3113		HEAL)		"	
trans-1,4-Dichloro-2-butene	ND	0.27	2.00	,,		u		*	ï	
Dichlorodifluoromethane	ND	0.79	2.00	**	11	Tit.	"	#	,,	
1,1-Dichloroethane	ND	0.79	1.00	n	/##		91	w1		
				.11	6746 686	311.3		**	"	
1,2-Dichloroethane	ND	0.28	1.00	70		"	n			
1,1-Dichloroethene	ND	0.24	1.00	"	**		0	**	,,	
cis-1,2-Dichloroethene	ND	0.26	1.00		**		n	и:		
trans-1,2-Dichloroethene	ND	0.21	1.00	**						
1,2-Dichloropropane	ND	0.28	1.00	30	***	"	n	**	<u>"</u>	
1,3-Dichloropropane	ND	0.53	1.00		"			301	11	
2,2-Dichloropropane	ND	0.35	1.00		"	"	"	н		
cis-1,3-Dichloropropene	ND	0.42	1.00		"	"	n	"	"	
trans-1,3-Dichloropropene	ND	0.42	1.00	2002	AL.	H	11	H	"	
Diethyl ether	ND	0.33	2.00	.11		.11	W2	.01	**	
Ethylbenzene	ND	0.18	1.00	n	**		"	"	"	
Ethyl methacrylate	ND	0.78	5.00	0	**	11	99.5	ii.	11	
Hexachlorobutadiene	ND	0.34	1.00	340		H.		11	**	



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## Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SDRSW-5 (0411377-11) Stormwater	Sample	d: 11/30/0	04 13:40 Re	ceived: 11	/30/04 17:	11				
Hexachloroethane	ND	0.25	1.00	ug/l	1	4120301	12/03/04	12/03/04	EPA 8260B	
2-Hexanone	ND	0.51	5.00	11	11	11	**	n	**	
odomethane	ND	0.29	1.00	0	**	**	11		**	
sobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100	ü	· m	O.	11	**	н	
Methacrylonitrile	ND	0.92	10.0	110	199	310	200	3116	3113	
Methylene chloride	ND	0.35	5.00	.0	**	**	11	**	n .	
Methyl tert-butyl ether	ND	0.47	1.00	1.6	**	**	**	**		
4-Methyl-2-pentanone	ND	0.58	25.0	**	41	"	.00	n		
Naphthalene	ND	0.25	2.00	199	890	. 19	310	311	3 <b>11</b> 5	
2-Nitropropane	ND	1.36	5.00	10		**		н	"	
n-Propylbenzene	ND	0.24	1.00	**	(11)	**	"	11	**	
Propionitrile	ND	34.9	100	**	.01	16	.11		"	
Styrene	ND	0.20	1.00	396	810	H	990	DE.	HC.	
1,1,1,2-Tetrachloroethane	ND	0.31	1.00	ri .	11	n	**	**	ж.	
1,1,2,2-Tetrachloroethane	ND	0.32	2.00	0.00	**	.11	,,	**	"	
Tetrachloroethene	ND	0.30	1.00	**		n	**	**		
Γoluene	ND	0.55	1.00	100	205	3.00	ж	**	ne	
,2,4-Trichlorobenzene	ND	0.37	1.00	Tr.	**	31	**	**	īt.	
1,1,1-Trichloroethane	ND	0.40	2.00		**			**	11	
1,1,2-Trichloroethane	ND	0.38	1.00	n	"			**	31	
Trichloroethene	ND	0.23	1.00	910	S <b>H</b>	500		. 11	310	
Trichlorofluoromethane	ND	0.55	2.00	, m			H	0.	30.2	
1,2,3-Trichloropropane	ND	0.26	2.00		**	n	**	n		
,2,4-Trimethylbenzene	ND	0.19	1.00	.41				"	,,,	
,3,5-Trimethylbenzene	ND	0.20	1.00	CHC	l m	(99)	380	316		
Vinyl chloride	ND	0.38	2.00	W.	, H.	.99	307	300	110	
n,p-Xylene	ND	0.51	2.00	n	н	**	11	0	**	
o-Xylene	ND	0.25	1.00		u	**	n	н	**	
Surrogate: Dibromofluoromethane		102 %	80-1.	30		n	in.	w	"	
Surrogate: 4-Bromofluorobenzene		113 %	80-1.	35		THE .	W	n	"	
Surrogate: Toluene-d8		107 %	80-1.	20		"	"	"	"	



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### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SDRSW-9 (0411377-12) Stormwater	Sample	d: 11/30/0	4 15:00	Received: 11/	30/04 17:	11				
Acetone	ND	7.46	25.0	ug/l	1	4120301	12/03/04	12/03/04	EPA 8260B	
Acetonitrile	ND	16.9	50.0	**	**	n	11	**	ii	
Acrolein	ND	15.4	100		"		u	ü	ij.	
Acrylonitrile	ND	0.66	10.0	90	**	**		ii :	"	
Allyl chloride	ND	0.29	1.00	3003	5460	31	916	и:	"	
Benzene	ND	0.28	1.00	n	**	n	и	n.	**	
Bromobenzene	ND	0.50	1.00	.,	**	n	11	n.	**	
Bromochloromethane	ND	0.41	1.00	11	**	**	11	9	"	
Bromodichloromethane	ND	0.33	1.00	3005	300	39%	30.7	11	**	
Bromoform	ND	0.30	1.00	.11	**	"	11	n .	"	
Bromomethane	ND	0.73	2.00	.01	**	"	11	ñ	***	
2-Butanone	ND	5.25	25.0		19	77	**	21	"	
Carbon disulfide	ND	0.31	1.00	(11).	340	911.0	30	11	**	
Carbon tetrachloride	ND	0.71	2.00	100		**	9	31	11	
Chlorobenzene	ND	0.24	1.00	0	0	**	**	"	**	
Chlorodibromomethane	ND	0.27	1.00		30	**	**	22	"	
Chloroethane	ND	0.35	2.00	8117	ACT.	m.	100	31	**	
Chloroform	ND	0.36	1.00	30.			,,	11	ū	
Chloromethane	ND	0.38	2.00	11		**	**	îi	ii	
Chloroprene	ND	0.23	1.00		(0)	"	"	<u>n</u>		
1,2-Dibromo-3-chloropropane	ND	0.24	2.00	SHE	(10)	345	365	11	11	
Dibromomethane	ND	0.42	1.00	303	ж.	20.	31	.11	**	
1,2-Dibromoethane (EDB)	ND	0.51	1.00	11	**	**	**	ñ	ii.	
1,2-Dichlorobenzene	ND	0.20	1.00	11	.11	**	"	0	**	
1,3-Dichlorobenzene	ND	0.24	1.00	n	16	n			"	
1,4-Dichlorobenzene	ND	0.21	1.00	:10	916	:110	#3	,,	**	
trans-1,4-Dichloro-2-butene	ND	0.27	2.00		u ·	**	**	**	iii	
Dichlorodifluoromethane	ND	0.79	2.00	.01	n	**	*	**	**	
1,1-Dichloroethane	ND	0.29	1.00		0.	315	**	0	11	
1,2-Dichloroethane	ND	0.28	1.00	316	m:	28.5	29	"	tt	
1.1-Dichloroethene	ND	0.24	1.00		n		**	ñ	ï	
cis-1,2-Dichloroethene	ND	0.26	1.00				"	Ü	u	
trans-1,2-Dichloroethene	ND	0.21	1.00	.11	11		**	"	"	
1,2-Dichloropropane	ND	0.21	1.00	3.01%	311	n	#0	***	н	
1,3-Dichloropropane	ND	0.53	1.00		n	"	,,		π	
2,2-Dichloropropane	ND	0.35	1.00	Ti .	0		**	n	ü	
cis-1,3-Dichloropropene	ND	0.33	1.00	n			"	,,	u	
trans-1,3-Dichloropropene	ND	0.42	1.00	9000 9000	310	300	316	#	let	
	ND	0.42	2.00		11	ii.	,,	"	11	
Diethyl ether	ND	0.33	1.00	ü		,,	11	"	"	
Ethylbenzene Ethyl mothemylete	ND	0.18	5.00		n.		11	"		
Ethyl methacrylate					111	**	,,			
Hexachlorobutadiene	ND	0.34	1.00							



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### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SDRSW-9 (0411377-12) Stormwater	Sample	d: 11/30/0	04 15:00 Re	ceived: 11	30/04 17:	11				
Hexachloroethane	ND	0.25	1.00	ug/l	1	4120301	12/03/04	12/03/04	EPA 8260B	
2-Hexanone	ND	0.51	5.00	1.00		30		n		
Iodomethane	ND	0.29	1.00	11	**	**	"	**		
Isobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100		**	u		**	"	
Methacrylonitrile	ND	0.92	10.0	u	**	316	Sec	11	100	
Methylene chloride	ND	0.35	5.00	100	SM:	311	.11	п		
Methyl tert-butyl ether	ND	0.47	1.00	10	**	11	**	**	"	
4-Methyl-2-pentanone	ND	0.58	25.0	(0)	**	.0	"	n		
Naphthalene	ND	0.25	2.00	n	Ħ	30	310	**	10	
2-Nitropropane	ND	1.36	5.00	310	**	310	.00	.11		
n-Propylbenzene	ND	0.24	1.00	n	**	11		**	11	
Propionitrile	ND	34.9	100	11	**	**		**	**	
Styrene	ND	0.20	1.00	31	21	н	700	300	34.1	
1,1,1,2-Tetrachloroethane	ND	0.31	1.00	316	200		.01	.11	.00	
1,1,2,2-Tetrachloroethane	ND	0.32	2.00	**	**	.11		**	**	
Tetrachloroethene	ND	0.30	1.00	10	#		0	"	**	
Toluene	ND	0.55	1.00	n		TH.	11	11	365	
1,2,4-Trichlorobenzene	ND	0.37	1.00	EHE	800	an:	31.	.m.	(11)	
1,1,1-Trichloroethane	ND	0.40	2.00	100	*	п	**	n	"	
1,1,2-Trichloroethane	ND	0.38	1.00		•	**		"	**	
Trichloroethene	ND	0.23	1.00	**		и	11	47	H:	
Trichlorofluoromethane	ND	0.55	2.00	-300	3 <b>H</b> 6	200	345	***	***	
1,2,3-Trichloropropane	ND	0.26	2.00		W	**	•	н	**	
1,2,4-Trimethylbenzene	ND	0.19	1.00		"	u	**		**	
1,3,5-Trimethylbenzene	ND	0.20	1.00	**		.11	n		**	
Vinyl chloride	ND	0.38	2.00	2016	200	EH:	310	:915	**	
m,p-Xylene	ND	0.51	2.00			11	**	91	"	
o-Xylene	ND	0.25	1.00	•	**		**	n	11	
Surrogate: Dibromofluoromethane		108 %	80-1	30		"		"	n	
Surrogate: 4-Bromofluorobenzene		118 %	80-1	35		.11	"	"	"	
Surrogate: Toluene-d8		109 %	80-1			п	"	"	и	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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## Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
NMMW-Duplicate (0411377-13) G			1: 11/30/04							
Acetone	ND	7.46	25.0	ug/l	1	4120301	12/03/04	12/03/04	EPA 8260B	
Acetonitrile	ND	16.9	50.0	"	,,	,,	11	n	**	
Acrolein	ND	15.4	100	**		**	n	11	"	
Acrylonitrile	ND	0.66	10.0	**	797		10.	n	**	
Allyl chloride	ND	0.29	1.00	(44)	and .	391.5	30%	#65	**	
Benzene	ND	0.28	1.00	311	.11	**	iii.		0	
Bromobenzene	ND	0.50	1.00	11	**	**	0	9	ü	
Bromochloromethane	ND	0.41	1.00	#	**	**	9		"	
Bromodichloromethane	ND	0.33	1.00	300	W	3000	or a	W.1	"	
Bromoform	ND	0.30	1.00	200	m.	**	iii	**	ii	
Bromomethane	ND	0.73	2.00		**	iii	11	**		
2-Butanone	ND	5.25	25.0	0	11	11	"	**	"	
Carbon disulfide	ND	0.31	1.00	30	2000	317	300	315	n	
Carbon disumde  Carbon tetrachloride	ND	0.71	2.00	310	100	10		,,	**	
Chlorobenzene	ND	0.71	1.00	,,,		11	**	,,	u	
MARK NO. MARKS. CAR.	ND	0.24	1.00	**			**		**	
Chlorodibromomethane				*	10	H	***	11	**	
Chloroethane	ND	0.35	2.00		.01	м	"	ii.		
Chloroform	ND	0.36	1.00	**		#	"	11		
Chloromethane	ND	0.38	2.00	11		**		16	,,	
Chloroprene	ND	0.23	1.00	300	**	**	37.	22'0 30'5	"	
1,2-Dibromo-3-chloropropane	ND	0.24	2.00							
Dibromomethane	ND	0.42	1.00	£16:	. 11	(94)	(11)	ME ME	JI 55	
1,2-Dibromoethane (EDB)	ND	0.51	1.00	.01	**	**	n	**		
1,2-Dichlorobenzene	ND	0.20	1.00	11	"			**		
1,3-Dichlorobenzene	ND	0.24	1.00	**	.00	10	11	**	n	
1,4-Dichlorobenzene	ND	0.21	1.00	100	111	211/2	(445)	(11)	311	
trans-1,4-Dichloro-2-butene	ND	0.27	2.00		0.	"	11	11	H	
Dichlorodifluoromethane	ND	0.79	2.00	*	11	"		11	y.	
1,1-Dichloroethane	ND	0.29	1.00	"	н		w	н	**	
1,2-Dichloroethane	ND	0.28	1.00	79	SHC.	30.	3865	3113	MS	
1,1-Dichloroethene	ND	0.24	1.00		.00	"	"	H	•	
cis-1,2-Dichloroethene	ND	0.26	1.00	100		"	**	n	•	
trans-1,2-Dichloroethene	ND	0.21	1.00	n	er	**	.11	n	**	
1,2-Dichloropropane	ND	0.28	1.00	100	311	310	300	H	115	
1,3-Dichloropropane	ND	0.53	1.00	340	**	"		m.	11	
2,2-Dichloropropane	ND	0.35	1.00	**	"	**	**	**		
cis-1,3-Dichloropropene	ND	0.42	1.00		**	**	)r	"	31.	
trans-1,3-Dichloropropene	ND	0.42	1.00	166	н	2117	300		30%	
Diethyl ether	1.05	0.33	2.00	200	.11	:10	310	302	11	
Ethylbenzene	ND	0.33	1.00	.,,	000	.0.	(11)	n in	(**)	
	ND	0.18	5.00	ñ	w	н	,,		**	
Ethyl methacrylate	IND	0.70	5.00							



EMA Log #: 0411377

# Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
								Allaryzeu	Wichiod	Ivotes
NMMW-Duplicate (0411377-13) Grn			d: 11/30/04 00:	00 Rec	eived: 11/.	30/04 17:	11			
Hexachloroethane	ND	0.25	1.00	ug/l	1	4120301	12/03/04	12/03/04	EPA 8260B	
2-Hexanone	ND	0.51	5.00	(11)	OHC.	390	91	.m.:	"	
Iodomethane	ND	0.29	1.00		**	"	11	11	"	
Isobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100		*	"	0		**	
Methacrylonitrile	ND	0.92	10.0	11	**	99	n	11	"	
Methylene chloride	ND	0.35	5.00	210:	380	3863	39.2	3000	tt s	
Methyl tert-butyl ether	ND	0.47	1.00	11	n	**	"	31	n	
4-Methyl-2-pentanone	ND	0.58	25.0	**	н		**	**	H	
Naphthalene	ND	0.25	2.00	11	11	30	n	**	"	
2-Nitropropane	ND	1.36	5.00	7.99.0	ARE	3002	34.5	** 1	**	
n-Propylbenzene	ND	0.24	1.00	**	n.	n		**	ii .	
Propionitrile	ND	34.9	100	**	**	H	H .	**	ü	
Styrene	ND	0.20	1.00	H	**	n		n ·	77	
1,1,1,2-Tetrachloroethane	ND	0.31	1.00	311	:#6	2115	395	10	**	
1,1,2,2-Tetrachloroethane	ND	0.32	2.00		n	,,	n	ñ	ii .	
Tetrachloroethene	ND	0.30	1.00	11	**	**	30	10	e e	
Toluene	ND	0.55	1.00			**	11	11		
1,2,4-Trichlorobenzene	ND	0.37	1.00	300	2013	(99)	W.S.	**	ff.	
1,1,1-Trichloroethane	ND	0.40	2.00		п	11		ŷ	u u	
1,1,2-Trichloroethane	ND	0.38	1.00		10	н		**	Ü	
Trichloroethene	ND	0.23	1.00	11	n	п		**	m .	
Trichlorofluoromethane	ND	0.55	2.00	3995	363	THE .	ME 2	**	н	
1,2,3-Trichloropropane	ND	0.26	2.00		11		n.	,,	н	
1,2,4-Trimethylbenzene	ND	0.19	1.00	*	11		91	,	0.0	
1,3,5-Trimethylbenzene	ND	0.20	1.00	**		11		9	11	
Vinyl chloride	ND	0.38	2.00	**	900		н	**	'm	
m,p-Xylene	ND	0.51	2.00	n	310	n	30	"	198	
o-Xylene	ND	0.25	1.00	•	**	**	ii	ũ	**	
Surrogate: Dibromofluoromethane		100 %	80-130			"	"	,,	"	
Surrogate: 4-Bromofluorobenzene		115 %	80-135			"	"	"	n	
Surrogate: Toluene-d8		104 %	80-120			"	"	"	"	



EMA Log #: 0411377

## Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL R	eporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Field Blank (0411377-14) Water						200011	Topared	, mary zea	mentou	.1010
Acetone	ND ND	7.46	25.0	ug/l	1	4120301	12/03/04	12/03/04	EPA 8260B	
Acetonitrile	ND	16.9	50.0	ug/1		"	12/03/04	12/03/04	# 0200B	
Acrolein	ND	15.4	100	886	111	290			**	
Acrylonitrile	ND	0.66	10.0	**	- "	**		n	**	
Allyl chloride	ND	0.29	1.00	**		**		11	**	
Benzene	ND	0.28	1.00	**	n	**	n	n		
Bromobenzene	ND	0.50	1.00		:11	3115	100	11	310	
Bromochloromethane	ND	0.41	1.00	"	n	"	•	"	**	
Bromodichloromethane	ND	0.33	1.00			"	**	**	m.	
Bromoform	ND	0.30	1.00	16	10		**	**	m ·	
Bromomethane	ND	0.30	2.00	ENE	216	303	346	3112	n .	
2-Butanone	ND	5.25	25.0	11	11	n	"	**	"	
Carbon disulfide	ND	0.31	1.00	11		iii.	**	**	"	
Carbon disumde	ND	0.71	2.00			11	**	,,		
Chlorobenzene	ND	0.71	1.00	:H:	41	11.	W.		,	
				11			W.		,, II	
Chlorodibromomethane	ND	0.27	1.00		**			**	,,	
Chloroethane	ND	0.35	2.00		**	11	n.		"	
Chloroform	ND	0.36	1.00	11	**	311			"	
Chloromethane	ND	0.38	2.00	311				H.		
Chloroprene	ND	0.23	1.00	791	an .	ж	я	(0)		
,2-Dibromo-3-chloropropane	ND	0.24	2.00	.00	**	,,,	"	11	"	
Dibromomethane	ND	0.42	1.00	"	**			0	20	
,2-Dibromoethane (EDB)	ND	0.51	1.00	:11	111	700	H:	TE .	99	
,2-Dichlorobenzene	ND	0.20	1.00	.11.	**	(11)	.11		"	
,3-Dichlorobenzene	ND	0.24	1.00	n	**	11	11	11	"	
,4-Dichlorobenzene	ND	0.21	1.00	31	**	**	10	**	"	
rans-1,4-Dichloro-2-butene	ND	0.27	2.00	11	W	11	н	11	"	
Dichlorodifluoromethane	ND	0.79	2.00	399.	:#:	OPE:	397.	.00	**	
,1-Dichloroethane	ND	0.29	1.00	**	.0.	**	<b>n</b> .	10	**	
,2-Dichloroethane	ND	0.28	1.00	•	.01	**		**	27	
,1-Dichloroethene	ND	0.24	1.00	.00	n		n	**	**	
is-1,2-Dichloroethene	ND	0.26	1.00	31.	200	OHE?	H.	365	**	
rans-1,2-Dichloroethene	ND	0.21	1.00	99	n.		**	9	**	
,2-Dichloropropane	ND	0.28	1.00	**	**		#	**	**	
,3-Dichloropropane	ND	0.53	1.00			n	m	**	**	
2,2-Dichloropropane	ND	0.35	1.00	8993	ж.	m:	1813	363	n	
is-1,3-Dichloropropene	ND	0.42	1.00	,,		W.		<b>*</b>	н	
rans-1,3-Dichloropropene	ND	0.42	1.00	**				**	11	
Diethyl ether	ND	0.33	2.00		**		**	**		
Ethylbenzene	ND	0.18	1.00	(W)	316	2003	n	n		
Ethyl methacrylate	ND	0.78	5.00	**	w	n.	**	n	"	
Hexachlorobutadiene	ND	0.78	1.00	**	**	11	**	"	11	



EMA Log #: 0411377

### Volatile Organic Compounds by EPA Method 8260B

			Desertion							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Field Blank (0411377-14) Water Sa	mpled: 1	1/30/04 00	:00 Received	11/30/0	4 17:11					
Hexachloroethane	ND	0.25	1.00	ug/l	1	4120301	12/03/04	12/03/04	EPA 8260B	
2-Hexanone	ND	0.51	5.00	**	ni.	**	.11	31.7	**	
Iodomethane	ND	0.29	1.00	**	"	**	**	11	"	
Isobutyl alcohol (2-Methyl-1-propanol)		39.8	100	**	11	**		11	"	
Methacrylonitrile	ND	0.92	10.0	3110	300	311.5	306.1	"		
Methylene chloride	0.45	0.35	5.00	200	30.5	303	30.5	H.I	n d	J
Methyl tert-butyl ether	ND	0.47	1.00		**	.11	n	n	11	
4-Methyl-2-pentanone	ND	0.58	25.0	"	**	20.	10	#	u u	
Naphthalene	ND	0.25	2.00	31			"	10	"	
2-Nitropropane	ND	1.36	5.00	3985	(10)	983	315	HT.	**	
n-Propylbenzene	ND	0.24	1.00	11	**	**	n	11	**	
Propionitrile	ND	34.9	100	**	11	**	**	10	ff	
Styrene	ND	0.20	1.00	n	n	**	n	"	e e	
1,1,1,2-Tetrachloroethane	ND	0.31	1.00	200	312	300.7	80	21	н	
1,1,2,2-Tetrachloroethane	ND	0.32	2.00	n	#	н	100	"	.10	
Tetrachloroethene	ND	0.30	1.00	11	**	11	**	9	ĬĬ.	
Toluene	ND	0.55	1.00	10	**	11	н	**	10	
1,2,4-Trichlorobenzene	ND	0.37	1.00	316	***	1163	'n	**	н	
1,1,1-Trichloroethane	ND	0.40	2.00	n		n	11 .	"	.198	
1,1,2-Trichloroethane	ND	0.38	1.00	H	**	n	n	"	11	
Trichloroethene	ND	0.23	1.00	0	11	**	n	11	**	
Trichlorofluoromethane	ND	0.55	2.00	36	387	77	н	11	11	
1,2,3-Trichloropropane	ND	0.26	2.00	n.	30	H.:	11	n	E98	
1,2,4-Trimethylbenzene	ND	0.19	1.00		10	**	ÿ	"	**	
1,3,5-Trimethylbenzene	ND	0.20	1.00	**	31	91	**	"	/#	
Vinyl chloride	ND	0.38	2.00	W.	30	30	**	"	**	
m,p-Xylene	ND	0.51	2.00	.00	900	.01	44	**	23 <b>46</b>	
o-Xylene	ND	0.25	1.00	**	**	n		"	iii	
Surrogate: Dibromofluoromethane		98 %	80-130			n	"	n	Ü	
Surrogate: 4-Bromofluorobenzene		114%	80-135			*	"	11	ü	
Surrogate: Toluene-d8		106 %	80-120			"	"	n	ï	



Project Name: Mission Bay

EMA Log #: 0411377

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL R	eporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (0411377-15) Water						Daten	Tropared	Tillaryzed	wichiod	11000
Acetone Acetone	ND	7.46	25.0	ug/l	1	4120301	12/03/04	12/03/04	EPA 8260B	
Acetonitrile	ND	16.9	50.0	ug/1	"	#120301	12/03/04	12/03/04	EPA 8200B	
Acrolein	ND	15.4	100	OH:	116	5H:	300	76V	**	
Acrylonitrile	ND	0.66	10.0	n n	"	n	"	11.	"	
Allyl chloride	ND	0.29	1.00	iii	**		"	m.	**	
Benzene	ND	0.29	1.00				"	w		
Bromobenzene	ND	0.50	1.00	2H5	:10	146		н		
Bromochloromethane	ND	0.30	1.00	"	ii	**	**	H:	21	
Bromodichloromethane	ND	0.33	1.00	**	**		**	**	ii	
Bromoform	ND	0.33	1.00		n				"	
Bromomethane	ND	0.30	2.00	216	316	986	910	MG		
				11	"	11	10		**	
2-Butanone	ND	5.25	25.0	.0	,,		n	ii.	**	
Carbon disulfide	ND	0.31	1.00		**		"			
Carbon tetrachloride	ND	0.71	2.00		311	**	w			
Chlorobenzene	ND	0.24	1.00							
Chlorodibromomethane	ND	0.27	1.00	Trit	.113		99.7		"	
Chloroethane	ND	0.35	2.00	- 11	**	**	**	"	"	
Chloroform	ND	0.36	1.00	•		**	**	*	п	
Chloromethane	ND	0.38	2.00	**	500		**	"	"	
Chloroprene	ND	0.23	1.00	0990	(0):	300	.21	H :	"	
1,2-Dibromo-3-chloropropane	ND	0.24	2.00	**	.,		**		"	
Dibromomethane	ND	0.42	1.00	**	"	"	**	**	n	
1,2-Dibromoethane (EDB)	ND	0.51	1.00	77	300	и	0	ii .		
1,2-Dichlorobenzene	ND	0.20	1.00	5900		311	30.0	н	"	
1,3-Dichlorobenzene	ND	0.24	1.00	11	**	n		n.	**	
1,4-Dichlorobenzene	ND	0.21	1.00	"	*	**	m .	11	**	
rans-1,4-Dichloro-2-butene	ND	0.27	2.00	10	**		10	9	**	
Dichlorodifluoromethane	ND	0.79	2.00	110	3015	300	90.5	**	rr	
1,1-Dichloroethane	ND	0.29	1.00	0	n		**	"	ü	
1,2-Dichloroethane	ND	0.28	1.00		"	**	,,	"	0	
1,1-Dichloroethene	ND	0.24	1.00	11	n		*		Ti .	
cis-1,2-Dichloroethene	ND	0.26	1.00	5995	903	:000	.11	**	п	
rans-1,2-Dichloroethene	ND	0.21	1.00	**	10	11	'n	"		
1,2-Dichloropropane	ND	0.28	1.00	**			**	91	11	
1,3-Dichloropropane	ND	0.53	1.00	10	**	n	10	ï	**	
2,2-Dichloropropane	ND	0.35	1.00	**	3#3	315	**	"	m .	
cis-1,3-Dichloropropene	ND	0.33	1.00	"	**	,,	"		**	
rans-1,3-Dichloropropene	ND	0.42	1.00	**	**	**	10		**	
					**	11	n	"	er	
Diethyl ether	ND	0.33	2.00	11	**		 H	" "	111	
Ethylbenzene	ND	0.18	1.00	,,	**	"	n n	"		
Ethyl methacrylate	ND	0.78	5.00						:000 CS	
Hexachlorobutadiene	ND	0.34	1.00	11	**	"	Ü	"		



Project Name: Mission Bay

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### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (0411377-15) Water San	npled: 11	/30/04 00:00	Received:	11/30/0	4 17:11					
Hexachloroethane	ND	0.25	1.00	ug/l	1	4120301	12/03/04	12/03/04	EPA 8260B	
2-Hexanone	ND	0.51	5.00	.00	(91)	.11	2003	38531	н	
Iodomethane	ND	0.29	1.00	19	**	**	n	11	,,	
Isobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100	**	"	**		11	"	
Methacrylonitrile	ND	0.92	10.0	110	n		n	n.		
Methylene chloride	ND	0.35	5.00	:91/		380	300	311.5	n	
Methyl tert-butyl ether	ND	0.47	1.00		11	11	27	**	11	
4-Methyl-2-pentanone	ND	0.58	25.0		**	**	**	**	11	
Naphthalene	ND	0.25	2.00	m	11	n		91	"	
2-Nitropropane	ND	1.36	5.00	300	:903		34.5	ж.	**	
n-Propylbenzene	ND	0.24	1.00		u	"	n	ñ.	"	
Propionitrile	ND	34.9	100	**			10	9	ñ	
Styrene	ND	0.20	1.00	**	10	n .	W.	9		
1,1,1,2-Tetrachloroethane	ND	0.31	1.00	(86)	115	303	.99	**	<u>u</u>	
1,1,2,2-Tetrachloroethane	ND	0.32	2.00	n	n	31	11	**	100	
Tetrachloroethene	ND	0.30	1.00		**	11	0.0	,,	n .	
Toluene	ND	0.55	1.00	11	n,	**	31	0	**	
1,2,4-Trichlorobenzene	ND	0.37	1.00	an:	:110	H:	11	n	w	
1,1,1-Trichloroethane	ND	0.40	2.00	0	n	**	77	11	SM:	
1,1,2-Trichloroethane	ND	0.38	1.00	10	30		**		n	
Trichloroethene	ND	0.23	1.00	#	n	9"	**	"		
Trichlorofluoromethane	ND	0.55	2.00	3110	(1977)	11	**	**		
1,2,3-Trichloropropane	ND	0.26	2.00	11	**	ü	Ħ	"	910	
1,2,4-Trimethylbenzene	ND	0.19	1.00	**	**	9	**		316	
1,3,5-Trimethylbenzene	ND	0.20	1.00	31	**	n		#	**	
Vinyl chloride	ND	0.38	2.00	11	110	**	11	ij.		
m,p-Xylene	ND	0.51	2.00	10	Ü	27	11	n	EHE	
o-Xylene	ND	0.25	1.00	19	n	ii	11	11	n	
Surrogate: Dibromofluoromethane		103 %	80-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	80-135			"	"	"	n	
Surrogate: Toluene-d8		102 %	80-120			"	n	<i>ii</i>	,,,	



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#### Conventional Chemistry Parameters by Standard/EPA Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBW-1 (0411377-01) Grnd-Water	Sampled	: 11/30/04	13:10 Rece	eived: 11/30	/04 17:11					
Nitrate as N	0.19	0.009	0.05	mg/l	1	4120121	12/01/04	12/01/04	SM4500 NO3 E	
Nitrite as N	ND	0.007	0.05	**	"	4120107	12/01/04	12/01/04	SM4500 NO2 B	
pH	6.54	0.01	0.10	pH Units	11	4120105	11/30/04	11/30/04	EPA 150.1	
Sulfate as SO4	807	25.0	125	mg/l	25	4120137	12/01/04	12/02/04	SM4500 SO4 E	
MBW-2 (0411377-02) Grnd-Water	Sampled	: 11/30/04	14:15 Rece	eived: 11/30	/04 17:11				al	
Nitrate as N	0.10	0.009	0.05	mg/l	1	4120121	12/01/04	12/01/04	SM4500 NO3 E	
Nitrite as N	ND	0.007	0.05	91	.007	4120107	12/01/04	12/01/04	SM4500 NO2 B	
pH	6.39	0.01	0.10	pH Units	301	4120105	11/30/04	11/30/04	EPA 150.1	
Sulfate as SO4	2710	100	500	mg/l	100	4120137	12/01/04	12/02/04	SM4500 SO4 E	
MBW-3 (0411377-03) Grnd-Water	Sampled	: 11/30/04	15:15 Rece	eived: 11/30	/04 17:11					
Nitrate as N	ND	0.009	0.05	mg/l	1	4120121	12/01/04	12/01/04	SM4500 NO3 E	
Nitrite as N	0.009	0.007	0.05	**	"	4120107	12/01/04	12/01/04	SM4500 NO2 B	J
pH	6.68	0.01	0.10	pH Units	"	4120105	11/30/04	11/30/04	EPA 150.1	
Sulfate as SO4	10.9	1.0	5.0	mg/l	**	4120137	12/01/04	12/02/04	SM4500 SO4 E	
MBE-4 (0411377-04) Grnd-Water	Sampled:	11/30/04	12:15 Recei	ived: 11/30/	04 17:11					
Ammonia as N	6.96	0.11	0.50	mg/l	5	4120311	12/03/04	12/03/04	SM4500 NH3 B,C	
Specific Conductance (EC)	81400	1	1	umhos/cm	1	4120210	12/02/04	12/02/04	SM2510 B	
Nitrate as N	0.16	0.009	0.05	mg/l	11	4120121	12/01/04	12/01/04	SM4500 NO3 E	
Nitrite as N	0.02	0.007	0.05		7997	4120107	12/01/04	12/01/04	SM4500 NO2 B	J
Oil & Grease	ND	1	1	200	2000	4113008	12/01/04	12/01/04	EPA 413.1	
рН	6.86	0.01	0.10	pH Units	300	4120105	11/30/04	11/30/04	EPA 150.1	
Total Dissolved Solids	48600	1	20	mg/l	(0)	4120111	12/01/04	12/03/04	SM2540 C	
Sulfate as SO4	2320	100	500	u.	100	4120137	12/01/04	12/02/04	SM4500 SO4 E	
Total Sulfide	ND	0.05	0.05	n	1	4120208	12/02/04	12/02/04	SM4500 S D	



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#### Conventional Chemistry Parameters by Standard/EPA Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MBW-5 (0411377-05) Grnd-Water	Sampled	: 11/30/04	12:00 Rec	eived: 11/30	0/04 17:11					
Nitrate as N	0.09	0.009	0.05	mg/l	1	4120121	12/01/04	12/01/04	SM4500 NO3 E	
Nitrite as N	ND	0.007	0.05	и	Tr.	4120107	12/01/04	12/01/04	SM4500 NO2 B	
pH	6.84	0.01	0.10	pH Units	115	4120105	11/30/04	11/30/04	EPA 150,1	
Sulfate as SO4	3100	100	500	mg/l	100	4120137	12/01/04	12/02/04	SM4500 SO4 E	
MBE-6 (0411377-06) Grnd-Water	Sampled:	11/30/04	14:40 Rece	ived: 11/30/	04 17:11					
Nitrate as N	0.009	0.009	0.05	mg/l	1	4120121	12/01/04	12/01/04	SM4500 NO3 E	J
Nitrite as N	ND	0.007	0.05	11	**	4120107	12/01/04	12/01/04	SM4500 NO2 B	
pH	7.11	0.01	0.10	pH Units	•	4120105	11/30/04	11/30/04	EPA 150.1	
Sulfate as SO4	1950	100	500	mg/l	100	4120137	12/01/04	12/02/04	SM4500 SO4 E	
MBW-7 (0411377-07) Grnd-Water	Sampled	: 11/30/04	13:20 Rec	eived: 11/30	/04 17:11					
Nitrate as N	0.09	0.009	0.05	mg/l	1	4120121	12/01/04	12/01/04	SM4500 NO3 E	
Nitrite as N	ND	0.007	0.05	•	19	4120107	12/01/04	12/01/04	SM4500 NO2 B	
pH	7.03	0.01	0.10	pH Units	344.5	4120105	11/30/04	11/30/04	EPA 150.1	
Sulfate as SO4	1320	100	500	mg/l	100	4120137	12/01/04	12/02/04	SM4500 SO4 E	
MB-10 (0411377-08) Grnd-Water	Sampled:	11/30/04	12:45 Recei	ived: 11/30/	04 17:11					
Nitrate as N	0.10	0.009	0.05	mg/l	1	4120121	12/01/04	12/01/04	SM4500 NO3 E	
Nitrite as N	ND	0.007	0.05	TI.	310	4120107	12/01/04	12/01/04	SM4500 NO2 B	
pН	6.68	0.01	0.10	pH Units	**	4120105	11/30/04	11/30/04	EPA 150.1	
Sulfate as SO4	4410	250	1250	mg/l	250	4120137	12/01/04	12/02/04	SM4500 SO4 E	
MBSW-2 (0411377-09) Stormwater	Sampled	1: 11/30/0	4 15:45 Rec	eived: 11/3	0/04 17:1	1				
Nitrate as N	0.009	0.009	0.05	mg/l	1	4120121	12/01/04	12/01/04	SM4500 NO3 E	J
Nitrite as N	ND	0.007	0.05	•	"	4120107	12/01/04	12/01/04	SM4500 NO2 B	
рН	8.00	0.01	0.10	pH Units	н	4120105	11/30/04	11/30/04	EPA 150.1	
Sulfate as SO4	2720	100	500	mg/l	100	4120137	12/01/04	12/02/04	SM4500 SO4 E	



EMA Log #: 0411377

#### Conventional Chemistry Parameters by Standard/EPA Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	resuit	MDL	Limit	Omis	Dilution	Dateil	ricparcu	Analyzed	IVICUIOU	THORES
MBSW-3 (0411377-10) Stormwater	Sampled	l: 11/30/04	4 15:25 R	Received: 11/3	0/04 17:1	1				
Nitrate as N	ND	0.009	0.05	mg/l	1	4120121	12/01/04	12/01/04	SM4500 NO3 E	
Nitrite as N	ND	0.007	0.05	199	HE	4120107	12/01/04	12/01/04	SM4500 NO2 B	
pH	8.07	0.01	0.10	pH Units	500	4120105	11/30/04	11/30/04	EPA 150.1	
Sulfate as SO4	2650	100	500	mg/l	100	4120137	12/01/04	12/02/04	SM4500 SO4 E	
SDRSW-5 (0411377-11) Stormwater	Sample	d: 11/30/0	4 13:40	Received: 11/	30/04 17:	11				
Nitrate as N	ND	0.009	0.05	mg/l	1	4120121	12/01/04	12/01/04	SM4500 NO3 E	
Nitrite as N	ND	0.007	0.05	**	***	4120107	12/01/04	12/01/04	SM4500 NO2 B	
pH	8.05	0.01	0.10	pH Units	-17	4120105	11/30/04	11/30/04	EPA 150.1	
Sulfate as SO4	259	10.0	50.0	mg/l	10	4120137	12/01/04	12/02/04	SM4500 SO4 E	
SDRSW-9 (0411377-12) Stormwater	Sample	d: 11/30/0	4 15:00	Received: 11/	30/04 17:	11				
Nitrate as N	3.76	0.04	0.25	mg/l	5	4120121	12/01/04	12/01/04	SM4500 NO3 E	
Nitrite as N	ND	0.007	0.05	008	1	4120107	12/01/04	12/01/04	SM4500 NO2 B	
pH	7.80	0.01	0.10	pH Units	n	4120105	11/30/04	11/30/04	EPA 150.1	
Sulfate as SO4	1380	50.0	250	mg/l	50	4120137	12/01/04	12/02/04	SM4500 SO4 E	
NMMW-Duplicate (0411377-13) Grn	d-Water	Sample	d: 11/30/0	4 00:00 Rece	eived: 11/	30/04 17:1	11.			
Nitrate as N	0.06	0.009	0.05	mg/l	1	4120121	12/01/04	12/01/04	SM4500 NO3 E	
Nitrite as N	ND	0.007	0.05	••	**	4120107	12/01/04	12/01/04	SM4500 NO2 B	
pH	6.64	0.01	0.10	pH Units		4120105	11/30/04	11/30/04	EPA 150.1	
Sulfate as SO4	876	50.0	250	mg/l	50	4120137	12/01/04	12/02/04	SM4500 SO4 E	



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Project Name: Mission Bay

#### Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120106											
Blank (4120106-BLK1)					Prepared:	12/01/04	Analyzed	: 12/09/04			
Antimony	ND	0.002	0.005	mg/l							
Arsenic	ND	0.001	0.010	31							
Barium	ND	0.0006	0.010	22							
Lead	ND	0.001	0.005	"							
Nickel	ND	0.002	0.010	n							
Selenium	ND	0.005	0.020	**							
Thallium	ND	0.0006	0.050	**							
Vanadium	ND	0.0004	0.010	#							
Zinc	ND	0.010	0.020	11							
Chromium	ND	0.004	0.005	n							
Molybdenum	ND	0.005	0.010	11							
LOS (HANIAC DOL)	(34.) 4400)		(1000)			10/01/04		10/00/04			
LCS (4120106-BS1)	0.002	0.000	0.005	/I	Prepared:	12/01/04					
Antimony Arsenic	0.083	0.002	0.005	mg/l	0.100 0.100		83 115	75-125 75-125			
Barium	0.115 0.112	0.001 0.0006	0.010 0.010	**	0.100		113	75-125 75-125			
Lead	0.112	0.000	0.010	**	0.100		111	75-125			
Nickel	0.111	0.001	0.003	**	0.100		108	85-115			
Selenium	0.108	0.002	0.010	**	0.100		117	75-125			
Thallium	0.117	0.0006	0.050	**	0.100		108	75-125			
Vanadium	0.108	0.0004	0.030		0.100		110	75-125			
Zinc	0.122	0.010	0.020		0.100		122	75-125			
Chromium	0.109	0.004	0.005	m .	0.100		109	75-125			
Molybdenum	0.106	0.005	0.010	н	0.100		106	75-125			
LCS Dup (4120106-BSD1)					Prepared:	12/01/04	Analyzad				
Antimony	0.079	0.002	0.005	mg/l	0.100	12/01/04	79	75-125	5	20	
Arsenic	0.106	0.001	0.010	"	0.100		106	75-125	8	20	
Barium	0.102	0.0006	0.010	**	0.100		102	75-125	9	20	
Lead	0.103	0.001	0.005	STE	0.100		103	75-125	7	20	
Nickel	0.100	0.002	0.010	**	0.100		100	85-115	8	20	
Selenium	0.119	0.005	0.020	**	0.100		119	75-125	2	20	
Thallium	0.100	0.0006	0.050	**	0.100		100	75-125	8	20	
Vanadium	0.101	0.0004	0.010	0.00	0.100		101	75-125	9	20	
Zinc	0.114	0.010	0.020		0.100		114	75-125	7	20	
Chromium	0.099	0.004	0.005	**	0.100		99	75-125	10	20	
Molybdenum	0.098	0.005	0.010	.00	0.100		98	75-125	8	20	



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#### Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120106											
Duplicate (4120106-DUP1)		Sou	rce: 041137	77-01	Prepared:	12/01/04	Analyzed	: 12/09/04			
Antimony	ND	0.002	0.005	mg/l		0.004				20	
Arsenic	0.008	0.001	0.010	94.		0.004			67	20	QR-04, J
Barium	0.646	0.0006	0.010	**		0.755			16	20	
Lead	ND	0.001	0.005	**		ND				20	
Nickel	0.004	0.002	0.010	**		0.004			0	20	J
Selenium	0.015	0.005	0.020	***		0.015			0	20	J
Thallium	ND	0.0006	0.050	516		ND				20	
Vanadium	0.009	0.0004	0.010	- 55		0.007			25	20	QR-04, J
Zinc	0.046	0.010	0.020	**		0.046			0	20	628 %
Chromium	ND	0.004	0.005	**		ND				20	
Molybdenum	0.014	0.005	0.010	"		0.018			25	20	QR-02
Matrix Spike (4120106-MS1)		Sour	rce: 041137	7-01	Prepared:	12/01/04	Analyzed	: 12/09/04			
Antimony	0.100	0.002	0.005	mg/l	0.100	0.004	96	75-125			
Arsenic	0.099	0.001	0.010		0.100	0.004	95	75-125			
Barium	0.762	0.0006	0.010	11	0.100	0.755	7	75-125			QM-4X
Lead	0.118	0.001	0.005	н	0.100	ND	118	75-125			
Nickel	0.090	0.002	0.010	а	0.100	0.004	86	70-130			
Selenium	0.110	0.048	0.200	97	0.100	0.015	95	75-125			J
Thallium	0.123	0.0006	0.050	**	0.100	ND	123	75-125			
Vanadium	0.086	0.004	0.100	41	0.100	0.007	79	75-125			J
Zinc	0.110	0.010	0.020	186	0.100	0.046	64	75-125			QM-05
Chromium	0.117	0.004	0.005	11	0.100	ND	117	75-125			
Molybdenum	0.142	0.005	0.010	H	0.100	0.018	124	75-125			
Matrix Spike Dup (4120106-MSD1)		Sour	rce: 041137	7-01	Prepared:	12/01/04	Analyzed	: 12/09/04			
Antimony	0.102	0.002	0.005	mg/l	0.100	0.004	98	75-125	2	20	
Arsenic	0.096	0.001	0.010	Œ	0.100	0.004	92	75-125	3	20	
Barium	0.776	0.0006	0.010	(30)	0.100	0.755	21	75-125	2	20	QM-4X
Lead	0.119	0.001	0.005	Ħ	0.100	ND	119	75-125	0.8	20	
Nickel	0.093	0.002	0.010	.00	0.100	0.004	89	70-130	3	20	
Selenium	0.071	0.005	0.020	10	0.100	0.015	56	75-125	43	20	QM-05
Thallium	0.123	0.0006	0.050	. 00	0.100	ND	123	75-125	0	20	
Vanadium	0.100	0.004	0.100		0.100	0.007	93	75-125	15	20	
Zinc	0.111	0.010	0.020	11	0.100	0.046	65	75-125	0.9	20	QM-05
Chromium	0.114	0.004	0.005	(386)	0.100	ND	114	75-125	3	20	
Molybdenum	0.141	0.005	0.010	11	0.100	0.018	123	75-125	0.7	20	



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#### Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
a many w	Result	DL	LAKIIII.	Cilita	Level	resurt	VOICEC	Limits	M D	Limit	inotes
Batch 4120224											
Blank (4120224-BLK1)					Prepared	& Analyze	ed: 12/02/	04			
Iron	ND	0.05	0.10	mg/l							
LCS (4120224-BS1)					Prepared	& Analyze	ed: 12/02/	04			
Iron	3.82	0.05	0.10	mg/l	4.00		96	75-125		F.	
LCS Dup (4120224-BSD1)					Prepared	& Analyze	ed: 12/02/	04			
Iron	3.91	0.05	0.10	mg/l	4.00		98	75-125	2	20	
Duplicate (4120224-DUP1)		Sou	rce: 041137	6-01	Prepared .	& Analyze	ed: 12/02/	04			
Iron	ND	0.05	0.10	mg/l		ND				20	
Matrix Spike (4120224-MS1)		Sou	rce: 041137	6-01	Prepared a	& Analyze	ed: 12/02/	04			
Iron	3.66	0.05	0.10	mg/l	4.00	ND	92	75-125			
Matrix Spike Dup (4120224-MSD1)		Sou	rce: 041137	6-01	Prepared of	& Analyze	ed: 12/02/	04			
Iron	3.72	0.05	0.10	mg/l	4.00	ND	93	75-125	2	20	



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#### Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Kesuit	IVIDL	Limit	Onns	Level	Result	∕0KEC	Limits	KrD	Limit	Notes
Batch 4120201											
Blank (4120201-BLK1)					Prepared	& Analyze	ed: 12/02/0	)4			
Acetone	ND	7.46	25.0	ug/l							
Acetonitrile	ND	16.9	50.0	. 0							
Acrolein	ND	15.4	100	**							
Acrylonitrile	ND	0.66	10.0	**							
Allyl chloride	ND	0.29	1.00	104							
Benzene	ND	0.28	1.00	**							
Bromobenzene	ND	0.50	1.00	111							
Bromochloromethane	ND	0.41	1.00	1.00							
Bromodichloromethane	ND	0.33	1.00	50985							
Bromoform	ND	0.30	1.00	596							
Bromomethane	ND	0.73	2.00	596							
2-Butanone	ND	5.25	25.0	, m							
Carbon disulfide	ND	0.31	1.00	· m							
Carbon tetrachloride	ND	0.71	2.00								
Chlorobenzene	ND	0.24	1.00	***							
Chlorodibromomethane	ND	0.27	1.00	**							
Chloroethane	ND	0.35	2.00	**							
Chloroform	ND	0.36	1.00	**							
Chloromethane	ND	0.38	2.00	**							
Chloroprene	ND	0.23	1.00	**							
1,2-Dibromo-3-chloropropane	ND	0.24	2.00	**							
Dibromomethane	ND	0.42	1.00	**							
1,2-Dibromoethane (EDB)	ND	0.51	1.00	**							
1,2-Dichlorobenzene	ND	0.20	1.00	**							
1,3-Dichlorobenzene	ND	0.24	1.00	**							
1,4-Dichlorobenzene	ND	0.21	1.00	**							
trans-1,4-Dichloro-2-butene	ND	0.27	2.00	**							
Dichlorodifluoromethane	ND	0.79	2.00	**							
1,1-Dichloroethane	ND	0.29	1.00	CHI.							
1,2-Dichloroethane	ND	0.28	1.00	- 10							
1,1-Dichloroethene	ND	0.24	1.00	ंस							
cis-1,2-Dichloroethene	ND	0.26	1.00	096				8			
trans-1,2-Dichloroethene	ND	0.21	1.00	0.00							
1,2-Dichloropropane	ND	0.28	1.00	0.46							
1,3-Dichloropropane	ND	0.53	1.00	596							
2,2-Dichloropropane	ND	0.35	1.00	198							
cis-1,3-Dichloropropene	ND	0.42	1.00	"							
trans-1,3-Dichloropropene	ND	0.42	1.00	**							



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#### Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120201											
Blank (4120201-BLK1)					Prepared	& Analyze	ed: 12/02/0	)4			
Diethyl ether	ND	0.33	2.00	ug/l							
Ethylbenzene	ND	0.18	1.00								
Ethyl methacrylate	ND	0.78	5.00								
Hexachlorobutadiene	ND	0.34	1.00	n							
Hexachloroethane	ND	0.25	1.00								
2-Hexanone	ND	0.51	5.00	146							
Iodomethane	ND	0.29	1.00	:16:							
Isobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100	H							
Methacrylonitrile	ND	0.92	10.0	(1)							
Methylene chloride	ND	0.35	5.00	290							
Methyl tert-butyl ether	ND	0.47	1.00	1.00							
4-Methyl-2-pentanone	ND	0.58	25.0	**							
Naphthalene	ND	0.25	2.00	**							
2-Nitropropane	ND	1.36	5.00	***				9			
n-Propylbenzene	ND	0.24	1.00	**							
Propionitrile	ND	34.9	100	**							
Styrene	ND	0.20	1.00	**							
1,1,1,2-Tetrachloroethane	ND	0.31	1.00	11							
1,1,2,2-Tetrachloroethane	ND	0.32	2.00	**							
Tetrachloroethene	ND	0.30	1.00								
Toluene	ND	0.55	1.00								
1,2,4-Trichlorobenzene	ND	0.37	1.00	11							
1,1,1-Trichloroethane	ND	0.40	2.00	11							
1,1,2-Trichloroethane	ND	0.38	1.00	**							
Trichloroethene	ND	0.23	1.00	**							
Trichlorofluoromethane	ND	0.55	2.00	**							
1,2,3-Trichloropropane	ND	0.26	2.00	**							
1,2,4-Trimethylbenzene	ND	0.19	1.00								
1,3,5-Trimethylbenzene	ND	0.20	1.00	in)							
Vinyl chloride	ND	0.38	2.00	***							
m,p-Xylene	ND	0.51	2.00	ans.							
o-Xylene	ND	0.25	1.00	<b>311</b> 7							
Surrogate: Dibromofluoromethane	54.6	2.17-201	- Conversion		50.0		109	80-130			
Surrogate: 4-Bromofluorobenzene	56.0			**	50.0		112	80-135			
Surrogate: Toluene-d8	51.7			"	50.0		103	80-120			



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#### Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120201											
LCS (4120201-BS1)					Prepared	& Analyze	ed: 12/02/0	)4			
Benzene	44.5	0.28	1.00	ug/l	50.0		89	68-123			
Chlorobenzene	49.4	0.24	1.00	n	50.0		99	72-114			
1,1-Dichloroethene	53.4	0.24	1.00	"	50.0		107	60-127			
Toluene	49.3	0.55	1.00	n	50.0		99	70-119			
Trichloroethene	51.0	0.23	1.00	<u>n</u>	50.0		102	73-113			
Surrogate: Dibromofluoromethane	45.4			"	50.0		91	80-130			
Surrogate: 4-Bromofluorobenzene	51.4			"	50.0		103	80-135			
Surrogate: Toluene-d8	53.0			"	50.0		106	80-120			
Duplicate (4120201-DUP1)		Sou	rce: 041137	7-08	Prepared	& Analyze	ed: 12/02/0	)4			
Acetone	ND	7.46	25.0	ug/l		ND				30	
Acetonitrile	ND	16.9	50.0	"		ND				30	
Acrolein	ND	15.4	100	**		ND				30	
Acrylonitrile	ND	0.66	10.0	"		ND				30	
Allyl chloride	ND	0.29	1.00	"		ND				30	
Benzene	ND	0.28	1.00	"		ND				30	
Bromobenzene	ND	0.50	1.00	"		ND				30	
Bromochloromethane	ND	0.41	1.00	"		ND				30	
Bromodichloromethane	ND	0.33	1.00	#		ND				30	
Bromoform	ND	0.30	1.00	#		ND				30	
Bromomethane	ND	0.73	2.00	"		ND				30	
2-Butanone	ND	5.25	25.0	ĬĬ.		ND				30	
Carbon disulfide	ND	0.31	1.00	"		ND				30	
Carbon tetrachloride	ND	0.71	2.00	**		ND				30	
Chlorobenzene	ND	0.24	1.00	"		ND				30	
Chlorodibromomethane	ND	0.27	1.00	- 9		ND				30	
Chloroethane	ND	0.35	2.00	"		ND				30	
Chloroform	ND	0.36	1.00	"		ND				30	
Chloromethane	ND	0.38	2.00	"		ND				30	
Chloroprene	ND	0.23	1.00	**		ND				30	
1,2-Dibromo-3-chloropropane	ND	0.24	2.00	11		ND				30	
Dibromomethane	ND	0.42	1.00	**		ND				30	
1,2-Dibromoethane (EDB)	ND	0.51	1.00	**		ND				30	
1,2-Dichlorobenzene	ND	0.20	1.00	**		ND				30	
1,3-Dichlorobenzene	ND	0.24	1.00	**		ND				30	
1,4-Dichlorobenzene	ND	0.21	1.00	**		ND				30	
trans-1,4-Dichloro-2-butene	ND	0.27	2.00	u		ND				30	
Dichlorodifluoromethane	ND	0.79	2.00	n		ND				30	
1,1-Dichloroethane	ND	0.29	1.00	11		ND				30	



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#### Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120201											
Duplicate (4120201-DUP1)		Sou	rce: 041137	7-08	Prepared	& Analyze	ed: 12/02/0	)4			
,2-Dichloroethane	ND	0.28	1.00	ug/l		ND				30	
,1-Dichloroethene	ND	0.24	1.00	11		ND				30	
ris-1,2-Dichloroethene	ND	0.26	1.00			ND				30	
rans-1,2-Dichloroethene	ND	0.21	1.00	**		ND				30	
,2-Dichloropropane	ND	0.28	1.00	**		ND				30	
,3-Dichloropropane	ND	0.53	1.00	**		ND				30	
,2-Dichloropropane	ND	0.35	1.00	#		ND				30	
is-1,3-Dichloropropene	ND	0.42	1.00	**		ND				30	
rans-1,3-Dichloropropene	ND	0.42	1.00	"		ND				30	
Diethyl ether	ND	0.33	2.00	n		ND				30	
Ethylbenzene	ND	0.18	1.00	"		ND				30	
Ethyl methacrylate	ND	0.78	5.00	"		ND				30	
Iexachlorobutadiene	ND	0.34	1.00	11		ND				30	
Iexachloroethane	ND	0.25	1.00	ij		ND				30	
-Hexanone	ND	0.51	5.00	n		ND				30	
odomethane	ND	0.29	1.00	W		ND				30	
sobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100	ü		ND				30	
1ethacrylonitrile	ND	0.92	10.0	"		ND				30	
fethylene chloride	ND	0.35	5.00	"		ND				30	
fethyl tert-butyl ether	ND	0.47	1.00	"		ND				30	
-Methyl-2-pentanone	ND	0.58	25.0	"		ND				30	
Naphthalene	ND	0.25	2.00	"		ND				30	
-Nitropropane	ND	1.36	5.00	"		ND				30	
-Propylbenzene	ND	0.24	1.00	"		ND				30	
ropionitrile	ND	34.9	100			ND				30	
tyrene	ND	0.20	1.00	**		ND				30	
,1,1,2-Tetrachloroethane	ND	0.31	1.00	**		ND				30	
,1,2,2-Tetrachloroethane	ND	0.32	2.00	11		ND				30	
etrachloroethene	ND	0.30	1.00	**		ND				30	
oluene	ND	0.55	1.00	**		ND				30	
2,4-Trichlorobenzene	ND	0.37	1.00	**		ND				30	
1,1-Trichloroethane	ND	0.40	2.00	**		ND				30	
1,2-Trichloroethane	ND	0.38	1.00	**		ND				30	
richloroethene	ND	0.23	1.00	rt .		ND				30	
richlorofluoromethane	ND	0.55	2.00	tt.		ND				30	
2,3-Trichloropropane	ND	0.26	2.00	ii .		ND				30	
2,4-Trimethylbenzene	ND	0.19	1.00	**		ND				30	
,3,5-Trimethylbenzene	ND	0.20	1.00	**		ND				30	



Project Name: Mission Bay

EMA Log #: 0411377

# Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120201											
Duplicate (4120201-DUP1)		Sou	rce: 041137	7-08	Prepared	& Analyzo	ed: 12/02/0	)4			
Vinyl chloride	ND	0.38	2.00	ug/l		ND				30	
m,p-Xylene	ND	0.51	2.00	**		ND				30	
o-Xylene	ND	0.25	1.00	**		ND				30	
Surrogate: Dibromofluoromethane	52.9			"	50.0		106	80-130			
Surrogate: 4-Bromofluorobenzene	59.6			"	50.0		119	80-135			
Surrogate: Toluene-d8	54.0			"	50.0		108	80-120			
Matrix Spike (4120201-MS1)		Sou	rce: 041137	7-01	Prepared .	& Analyze	ed: 12/02/0	)4			
Benzene	53.2	0.28	1.00	ug/l	50.0	ND	106	70-128			
Chlorobenzene	49.2	0.24	1.00	0.	50.0	ND	98	74-119			
1,1-Dichloroethene	49.5	0.24	1.00	"	50.0	ND	99	60-133			
Toluene	50.5	0.55	1.00	ŭ	50.0	ND	101	72-125			
Trichloroethene	48.8	0.23	1.00	п	50.0	ND	98	73-119			
Surrogate: Dibromofluoromethane	49.2			"	50.0		98	80-130			
Surrogate: 4-Bromofluorobenzene	55.7			"	50.0		111	80-135			
Surrogate: Toluene-d8	50.6			"	50.0		101	80-120			
Matrix Spike Dup (4120201-MSD1)		Sou	rce: 041137	7-01	Prepared a	& Analyze	ed: 12/02/0	)4			
Benzene	45.6	0.28	1.00	ug/l	50.0	ND	91	70-128	15	30	
Chlorobenzene	47.3	0.24	1.00	11	50.0	ND	95	74-119	4	30	
1,1-Dichloroethene	51.6	0.24	1.00	n	50.0	ND	103	60-133	4	30	
Toluene	51.8	0.55	1.00		50.0	ND	104	72-125	3	30	
Trichloroethene	48.8	0.23	1.00	DIF	50.0	ND	98	73-119	0	30	
Surrogate: Dibromofluoromethane	49.6			"	50.0		99	80-130			
Surrogate: 4-Bromofluorobenzene	60.2			"	50.0		120	80-135			
Surrogate: Toluene-d8	54.7			"	50.0		109	80-120			



EMA Log #: 0411377

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Control of the state	Result										
Batch 4120301						0.1.	1 18 18				
Blank (4120301-BLK1)	Na Section 1	722 1010	9 <u>200</u> 0000	DEC 4211	Prepared.	& Analyze	ed: 12/03/C	14			
Acetone	ND	7.46	25.0	ug/l							
Acetonitrile	ND	16.9	50.0								
Acrolein	ND	15.4	100	ii.							
Acrylonitrile	ND	0.66	10.0	"							
Allyl chloride	ND	0.29	1.00	"							
Benzene	ND	0.28	1.00	"							
Bromobenzene	ND	0.50	1.00	Ħ							
Bromochloromethane	ND	0.41	1.00	"							
Bromodichloromethane	ND	0.33	1.00	а							
Bromoform	ND	0.30	1.00	α							
Bromomethane	ND	0.73	2.00	ii							
2-Butanone	ND	5.25	25.0	ij							
Carbon disulfide	ND	0.31	1.00	u							
Carbon tetrachloride	ND	0.71	2.00	n							
Chlorobenzene	ND	0.24	1.00	ŭ							
Chlorodibromomethane	ND	0.27	1.00	ŭ							
Chloroethane	ND	0.35	2.00	Ÿ.							
Chloroform	ND	0.36	1.00	#							
Chloromethane	ND	0.38	2.00	**							
Chloroprene	ND	0.23	1.00	"							
1,2-Dibromo-3-chloropropane	ND	0.24	2.00	2							
Dibromomethane	ND	0.42	1.00	"							
1,2-Dibromoethane (EDB)	ND	0.51	1.00	**							
1,2-Dichlorobenzene	ND	0.20	1.00	22							
1,3-Dichlorobenzene	ND	0.24	1.00	"							
1,4-Dichlorobenzene	ND	0.21	1.00	**							
trans-1,4-Dichloro-2-butene	ND	0.27	2.00	n							
Dichlorodifluoromethane	ND	0.79	2.00	**							
1,1-Dichloroethane	ND	0.29	1.00	n							
1,2-Dichloroethane	ND	0.28	1.00	11							
1,1-Dichloroethene	ND	0.24	1.00								
cis-1,2-Dichloroethene	ND	0.24	1.00	11							
trans-1,2-Dichloroethene	ND	0.20	1.00	n							
1,2-Dichloropropane	ND ND	0.21	1.00	n n							
1,3-Dichloropropane	ND	0.28	1.00	ij.							
2,2-Dichloropropane	ND ND	0.35	1.00	11							
cis-1,3-Dichloropropene	ND ND	0.33	1.00								
cis-1,5-Dienioropropene	ND	0.42	1.00								

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ND

0.42

1.00

trans-1,3-Dichloropropene



EMA Log #: 0411377

#### Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120301											
Blank (4120301-BLK1)					Prepared	& Analyze	ed: 12/03/0	)4			
Diethyl ether	ND	0.33	2.00	ug/l							
Ethylbenzene	ND	0.18	1.00	"							
Ethyl methacrylate	ND	0.78	5.00	"							
Hexachlorobutadiene	ND	0.34	1.00	"							
Hexachloroethane	ND	0.25	1.00	**							
2-Hexanone	ND	0.51	5.00	9							
Iodomethane	ND	0.29	1.00	n							
Isobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100	н							
Methacrylonitrile	ND	0.92	10.0	11							
Methylene chloride	ND	0.35	5.00	u							
Methyl tert-butyl ether	ND	0.47	1.00	305							
4-Methyl-2-pentanone	ND	0.58	25.0	**							
Naphthalene	ND	0.25	2.00	#6							
2-Nitropropane	ND	1.36	5.00	0:							
n-Propylbenzene	ND	0.24	1.00	**							
Propionitrile	ND	34.9	100	11							
Styrene	ND	0.20	1.00	11							
1,1,1,2-Tetrachloroethane	ND	0.31	1.00	**							
1,1,2,2-Tetrachloroethane	ND	0.32	2.00	**							
Tetrachloroethene	ND	0.30	1.00	**							
Toluene	ND	0.55	1.00								
1,2,4-Trichlorobenzene	ND	0.37	1.00	11							
1,1,1-Trichloroethane	ND	0.40	2.00	11							
1,1,2-Trichloroethane	ND	0.38	1.00	0							
Trichloroethene	ND	0.23	1.00	ii.							
Trichlorofluoromethane	ND	0.55	2.00	n							
1,2,3-Trichloropropane	ND	0.26	2.00								
1,2,4-Trimethylbenzene	ND	0.19	1.00	*							
1,3,5-Trimethylbenzene	ND	0.20	1.00	n							
Vinyl chloride	ND	0.38	2.00	9							
m,p-Xylene	ND	0.51	2.00	311							
o-Xylene	ND	0.25	1.00	AK:							
Surrogate: Dibromofluoromethane	49.6			"	50.0		99	80-130			
Surrogate: 4-Bromofluorobenzene	55.0			in.	50.0		110	80-135			
Surrogate: Toluene-d8	51.5			"	50.0		103	80-120			



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## Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Note
Batch 4120301											
LCS (4120301-BS1)					Prepared	& Analyze	ed: 12/03/0	04			
Benzene	44.3	0.28	1.00	ug/l	50.0	***	89	68-123			
Chlorobenzene	48.5	0.24	1.00	(O11)	50.0		97	72-114			
1,1-Dichloroethene	55.0	0.24	1.00	**	50.0		110	60-127			
Toluene	48.8	0.55	1.00	**	50.0		98	70-119			
Trichloroethene	49.4	0.23	1.00	***	50.0		99	73-113			
Surrogate: Dibromofluoromethane	46.3			"	50.0		93	80-130			
Surrogate: 4-Bromofluorobenzene	51.5			"	50.0		103	80-135			
Surrogate: Toluene-d8	52.2			"	50.0		104	80-120			
Duplicate (4120301-DUP1)		Sou	rce: 041137	7-10	Prepared	& Analyze	ed: 12/03/0	)4			
Acetone	ND	7.46	25.0	ug/l	3	ND				30	
Acetonitrile	ND	16.9	50.0	1(99)		ND				30	
Acrolein	ND	15.4	100	3.99		ND				30	
Acrylonitrile	ND	0.66	10.0	.195		ND				30	
Allyl chloride	ND	0.29	1.00	n		ND				30	
Benzene	ND	0.28	1.00			ND				30	
Bromobenzene	ND	0.50	1.00	ű.		ND				30	
Bromochloromethane	ND	0.41	1.00	·ii		ND				30	
Bromodichloromethane	ND	0.33	1.00			ND				30	
Bromoform	ND	0.30	1.00	ñ		ND				30	
Bromomethane	ND	0.73	2.00	10		ND				30	
2-Butanone	ND	5.25	25.0	ü		ND				30	
Carbon disulfide	ND	0.31	1.00	"		ND				30	
Carbon tetrachloride	ND	0.71	2.00	н		ND				30	
Chlorobenzene	ND	0.24	1.00	Ü		ND				30	
Chlorodibromomethane	ND	0.27	1.00	п		ND				30	
Chloroethane	ND	0.35	2.00	9		ND				30	
Chloroform	ND	0.36	1.00			ND				30	
Chloromethane	ND	0.38	2.00	"		ND				30	
Chloroprene	ND	0.23	1.00			ND				30	
1,2-Dibromo-3-chloropropane	ND	0.24	2.00	11		ND				30	
Dibromomethane	ND	0.42	1.00	**		ND				30	
1,2-Dibromoethane (EDB)	ND	0.51	1.00	11		ND				30	
1,2-Dichlorobenzene	ND	0.20	1.00	**		ND				30	
1,3-Dichlorobenzene	ND	0.24	1.00	**		ND				30	
1,4-Dichlorobenzene	ND	0.24	1.00	**		ND				30	
trans-1,4-Dichloro-2-butene	ND	0.27	2.00	**		ND				30	
Dichlorodifluoromethane	ND	0.27	2.00	**		ND				30	
1,1-Dichloroethane	ND ND	0.79	1.00	,,		ND				30	



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#### Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120301											
Duplicate (4120301-DUP1)		Sou	rce: 041137	77-10	Prepared	& Analyze	ed: 12/03/0	04			
1,2-Dichloroethane	ND	0.28	1.00	ug/l	•	ND				30	
1,1-Dichloroethene	ND	0.24	1.00			ND				30	
cis-1,2-Dichloroethene	ND	0.26	1.00	"		ND				30	
trans-1,2-Dichloroethene	ND	0.21	1.00	"		ND				30	
1,2-Dichloropropane	ND	0.28	1.00	11		ND				30	
1,3-Dichloropropane	ND	0.53	1.00	"		ND				30	
2,2-Dichloropropane	ND	0.35	1.00	15		ND				30	
cis-1,3-Dichloropropene	ND	0.42	1.00	**		ND				30	
trans-1,3-Dichloropropene	ND	0.42	1.00	**		ND				30	
Diethyl ether	ND	0.33	2.00	**		ND				30	
Ethylbenzene	ND	0.18	1.00	**		ND				30	
Ethyl methacrylate	ND	0.78	5.00	**		ND				30	
Hexachlorobutadiene	ND	0.34	1.00	**		ND				30	
Hexachloroethane	ND	0.25	1.00	××.		ND				30	
2-Hexanone	ND	0.51	5.00	÷.		ND				30	
Iodomethane	ND	0.29	1.00	**		ND				30	
Isobutyl alcohol (2-Methyl-1-propanol)	ND	39.8	100	**		ND				30	
Methacrylonitrile	ND	0.92	10.0	**		ND				30	
Methylene chloride	ND	0.35	5.00	**		ND				30	
Methyl tert-butyl ether	ND	0.47	1.00	**		ND				30	
4-Methyl-2-pentanone	ND	0.58	25.0	**		ND				30	
Naphthalene	ND	0.25	2.00	**		ND				30	
2-Nitropropane	ND	1.36	5.00	**		ND				30	
n-Propylbenzene	ND	0.24	1.00	**		ND				30	
Propionitrile	ND	34.9	100	**		ND				30	
Styrene	ND	0.20	1.00	**		ND				30	
1,1,1,2-Tetrachloroethane	ND	0.31	1.00	60		ND				30	
1,1,2,2-Tetrachloroethane	ND	0.32	2.00	61		ND				30	
Tetrachloroethene	ND	0.30	1.00	tr		ND				30	
Toluene	ND	0.55	1.00	н		ND				30	
1,2,4-Trichlorobenzene	ND	0.37	1.00	н		ND				30	
1,1,1-Trichloroethane	ND	0.40	2.00	**		ND				30	
1,1,2-Trichloroethane	ND	0.38	1.00	**		ND				30	
Trichloroethene	ND	0.23	1.00	n		ND				30	
Trichlorofluoromethane	ND	0.55	2.00	u		ND				30	
1,2,3-Trichloropropane	ND	0.26	2.00	ū		ND				30	
1,2,4-Trimethylbenzene	ND	0.19	1.00	ii		ND				30	
1,3,5-Trimethylbenzene	ND	0.20	1.00	•		ND				30	



Project Name: Mission Bay

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### Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120301				L-212		161					
Duplicate (4120301-DUP1)		Sour	ce: 04113	77-10	Prepared	& Analyz	ed: 12/03/0	)4			
Vinyl chloride	ND	0.38	2.00	ug/l		ND				30	
m,p-Xylene	ND	0.51	2.00	"		ND				30	
o-Xylene	ND	0.25	1.00	н		ND				30	
Surrogate: Dibromofluoromethane	57.1			"	50.0		114	80-130			
Surrogate: 4-Bromofluorobenzene	58.4			"	50.0		117	80-135			
Surrogate: Toluene-d8	53.7			"	50.0		107	80-120			
Matrix Spike (4120301-MS1)		Sour	Source: 0411377-09			& Analyz	ed: 12/03/0				
Benzene	51.3	0.28	1.00	ug/l	50.0	ND	103	70-128			
Chlorobenzene	46.4	0.24	1.00	**	50.0	ND	93	74-119			
1,1-Dichloroethene	43.7	0.24	1.00	**	50.0	ND	87	60-133			
Toluene	47.4	0.55	1.00	**	50.0	ND	95	72-125			
Trichloroethene	48.4	0.23	1.00	1096	50.0	ND	97	73-119			
Surrogate: Dibromofluoromethane	49.6			"	50.0		99	80-130			
Surrogate: 4-Bromofluorobenzene	56.2			"	50.0		112	80-135			
Surrogate: Toluene-d8	51.6			"	50.0		103	80-120			
Matrix Spike Dup (4120301-MSD1)		Sour	ce: 04113	77-09	Prepared	& Analyze	ed: 12/03/0	)4			
Benzene	47.5	0.28	1.00	ug/l	50.0	ND	95	70-128	8	30	
Chlorobenzene	47.6	0.24	1.00		50.0	ND	95	74-119	3	30	
1,1-Dichloroethene	53.5	0.24	1.00	36	50.0	ND	107	60-133	20	30	
Toluene	53.0	0.55	1.00	(340)	50.0	ND	106	72-125	11	30	
Trichloroethene	49.3	0.23	1.00	н	50.0	ND	99	73-119	2	30	
Surrogate: Dibromofluoromethane	54.1			"	50.0		108	80-130			
Surrogate: 4-Bromofluorobenzene	57.9			"	50.0		116	80-135			
Surrogate: Toluene-d8	53.6			"	50.0		107	80-120			



EMA Log #: 0411377

#### Conventional Chemistry Parameters by Standard/EPA Methods - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4113008											
Blank (4113008-BLK1)					Prepared	& Analyz	ed: 11/30/	04			
Oil & Grease	ND	1	1	mg/l							
LCS (4113008-BS1)					Prepared	& Analyze	ed: 11/30/	04			
Oil & Grease	89	1	1	mg/l	106	***	84	75-125			
LCS Dup (4113008-BSD1)					Prepared	& Analyze	ed: 11/30/	04			
Oil & Grease	94	1	1	mg/l	106		89	75-125	5	20	
Batch 4120105											
Duplicate (4120105-DUP1)		Sou	rce: 04113	75-01	Prepared	& Analyzo	ed: 11/30/	04			
pH	10.5	0.01	0.10	pH Units		10.5			0	20	
Reference (4120105-SRM1)					Prepared	& Analyze	ed: 11/30/	04			
pH	8.85	0.01	0.10	pH Units	9.10	4	97	97-103			
Batch 4120107											
Blank (4120107-BLK1)					Prepared	& Analyze	ed: 12/01/	04			
Nitrite as N	ND	0.007	0.05	mg/l		- 100 mm - 100 , 100 mm - 100		M. C.			
LCS (4120107-BS1)					Prepared	& Analyzo	ed: 12/01/	04			
Nitrite as N	0.09	0.007	0.05	mg/l	0.100	•	90	80-120			
LCS Dup (4120107-BSD1)					Prepared	& Analyze	ed: 12/01/	04			
Nitrite as N	0.09	0.007	0.05	mg/l	0.100		90	80-120	0	20	



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#### Conventional Chemistry Parameters by Standard/EPA Methods - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120107											
Duplicate (4120107-DUP1)		Sou	rce: 041137	77-10	Prepared a	& Analyze	ed: 12/01/	04			
Nitrite as N	ND	0.007	0.05	mg/l		ND				20	
Matrix Spike (4120107-MS1)		Sour	Source: 0411377-10			& Analyze	ed: 12/01/	04			
Nitrite as N	0.10	0.007	0.05	mg/l	0.100	ND	100	80-120			
Matrix Spike Dup (4120107-MSD1)		Sour	rce: 041137	7-10	Prepared a	& Analyze	ed: 12/01/	04			
Nitrite as N	0.10	0.007	0.05	mg/l	0.100	ND	100	80-120	0	20	
Reference (4120107-SRM1)					Prepared & Analyzed: 12/01/04						
Nitrite as N	1.44	0.04	0.25	mg/l	1.55		93	91.6-111			
Batch 4120111											
Duplicate (4120111-DUP1)		Sour	rce: 041137	7-04	Prepared:	12/01/04	Analyzed	1: 12/03/04			
Total Dissolved Solids	49700	1	20	mg/l	-	48600			2	20	
Reference (4120111-SRM1)					Prepared:	12/01/04	Analyzed	1: 12/03/04			
Total Dissolved Solids	252	1	20	mg/l	286		88	86-114			
Batch 4120121											
Blank (4120121-BLK1)					Prepared a	& Analyze	ed: 12/01/	04			
Nitrate as N	ND	0.009	0.05	mg/l							
LCS (4120121-BS1)					Prepared a	& Analyze	ed: 12/01/	04			
Nitrate as N	0.45	0.009	0.05	mg/l	0.500		90	80-120			



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#### Conventional Chemistry Parameters by Standard/EPA Methods - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120121											
LCS Dup (4120121-BSD1)					Prepared	& Analyzo	ed: 12/01/0	04			
Nitrate as N	0.41	0.009	0.05	mg/l	0.500		82	80-120	9	20	
Duplicate (4120121-DUP1)		Sou	rce: 041137	7-09	Prepared	& Analyze	ed: 12/01/0	04			
Nitrate as N	0.01	0.009	0.05	mg/l	•	0.009		-	11	20	J
Matrix Spike (4120121-MS1)		Sou	rce: 041137	7-10	Prepared	& Analyze	ed: 12/01/0	04			
Nitrate as N	0.59	0.009	0.05	mg/l	0.500	ND	118	80-120			
Matrix Spike Dup (4120121-MSD1)		Sou	rce: 041137	7-10	Prepared	& Analyze	ed: 12/01/0	04			
Nitrate as N	0.59	0.009	0.05	mg/l	0.500	ND	118	80-120	0	20	
Reference (4120121-SRM1)					Prepared	& Analyze	ed: 12/01/0	04			
Nitrate as N	6.53	0.09	0.50	mg/l	6.49		101	0-200			
Batch 4120137											
Blank (4120137-BLK1)					Prepared:	12/01/04	Analyzed				
Sulfate as SO4	ND	1.0	5.0	mg/l							
LCS (4120137-BS1)					Prepared:	12/01/04	Analyzed	: 12/02/04			
Sulfate as SO4	8.8	1.0	5.0	mg/l	10.0		88	80-120			
LCS Dup (4120137-BSD1)					Prepared:	12/01/04	Analyzed	: 12/02/04			
Sulfate as SO4	9.0	1.0	5,0	mg/l	10.0		90	80-120	2	20	
Duplicate (4120137-DUP1)		Sou	rce: 041137	6-01	Prepared:	12/01/04	Analyzed	: 12/02/04			
Sulfate as SO4	421	25.0	125	mg/l		412			2	20	



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## Conventional Chemistry Parameters by Standard/EPA Methods - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	Result	MDL	Dillit	Omts	Level	Result	70KEC	Limits	КГБ	Limit	Trotes
Batch 4120137											
Matrix Spike (4120137-MS1)		Sou	rce: 04113	76-01	Prepared:	12/01/04	Analyzed	: 12/02/04			
Sulfate as SO4	677	25.0	125	mg/l	250	412	106	80-120			
Matrix Spike Dup (4120137-MSD1)		Sou	rce: 04113	76-01	Prepared:	12/01/04	Analyzed	: 12/02/04			
Sulfate as SO4	667	25.0	125	mg/l	250	412	102	80-120	1	20	
Batch 4120208										1165	
Blank (4120208-BLK1)					Prepared of	& Analyz	ed: 12/02/0	)4			
Total Sulfide	ND	0.05	0.05	mg/l	-						
LCS (4120208-BS1)					Prepared a	& Analyz	ed: 12/02/0	)4			
Total Sulfide	0.19	0.05	0.05	mg/l	0.200		95	80-120			
LCS Dup (4120208-BSD1)					Prepared a	& Analyz	ed: 12/02/0	)4			
Total Sulfide	0.19	0.05	0.05	mg/l	0.200	•	95	80-120	0	20	
Duplicate (4120208-DUP1)		Sou	rce: 04113	77-04	Prepared & Analyzed: 12/02/04						
Total Sulfide	ND	0.05	0.05	mg/l	*	ND				20	
Matrix Spike (4120208-MS1)		Sou	rce: 04113	77-04	Prepared a	& Analyz	ed: 12/02/0	)4			
Total Sulfide	ND	0.05	0.05	mg/l	0.200	ND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	80-120			QM-05
Matrix Spike Dup (4120208-MSD1)		Sou	rce: 04113	77-04	Prepared a	& Analyz	ed: 12/02/0	)4			
Total Sulfide	ND	0.05	0.05	mg/l	0.200	ND	344-00-00	80-120		20	QM-05
Batch 4120210											
Duplicate (4120210-DUP1)		Source: 0412007-01			Prepared & Analyzed: 12/02/04						
Specific Conductance (EC)	6540	1	1	umhos/cm		6620			1	20	



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## Conventional Chemistry Parameters by Standard/EPA Methods - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120210											
Reference (4120210-SRM1)					Prepared	& Analyze	ed: 12/02/	04			
Specific Conductance (EC)	469	1	1	umhos/cm	457		103	93-107			
Batch 4120311											
Blank (4120311-BLK1)					Prepared	& Analyze	ed: 12/03/0	04			
Ammonia as N	ND	0.02	0.10	mg/l							
LCS (4120311-BS1)					Prepared	& Analyze	ed: 12/03/0	04			
Ammonia as N	0.87	0.02	0.10	mg/l	0.820	-	106	80-120			
LCS Dup (4120311-BSD1)					Prepared	& Analyzo	ed: 12/03/0	04			
Ammonia as N	0.89	0.02	0.10	mg/l	0.820		109	80-120	2	20	
Duplicate (4120311-DUP1)		Sou	rce: 04120	05-01	Prepared	& Analyze	ed: 12/03/0	04			
Ammonia as N	ND	0.02	0.10	mg/l		ND	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			20	
Matrix Spike (4120311-MS1)		Sou	rce: 04120	05-01	Prepared	& Analyze	ed: 12/03/0	04			
Ammonia as N	0.92	0.02	0.10	mg/l	0.820	ND	112	80-120			
Matrix Spike Dup (4120311-MSD1)		Source: 0412005-01			Prepared & Analyzed: 12/03/04						
Ammonia as N	0.98	0.02	0.10	mg/l	0.820	ND	120	80-120	6	20	



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#### **Notes and Definitions**

GC-35	1,3 Oxathiolane present in sample.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-4X	The spike recovery was outside of the QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QR-02	The RPD result exceeded the QC limits due to non-homogeneity of sample.
QR-04	The RPD between the sample and sample duplicate is not valid since both results are below the reporting limit for this analyte.
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
NR	Not Reported
dry	Sample results reported on a dry weight basis (if indicated in units column)
RPD	Relative Percent Difference
MDL	Method detection limit (indicated per client's request)

